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Saskatchewan

Annual Report
1984

Saskatchewan Health
Vital Statistics
3475 Albert Street
Regina, Saskatchewan
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Department of Health

To The Honourable F. W. Johnson,
Lieutenant Governor of Saskatchewan.

May It Please Your Honour:

I beg to present herewith, for your consideration, the annual report on Saskatchewan vital statistics for the calendar year 1984.

Respectfully submitted,

George McLeod,
Minister of Health.

Department of Health

To The Honourable George McLeod,
Minister of Health.

Sir:

I have the honour to forward herewith the annual report on Saskatchewan vital statistics for the calendar year 1984.

Respectfully submitted,

Walter Podiluk
Deputy Minister of Health.

Foreword

The Saskatchewan Vital Statistics Annual Report 1984 has been prepared subsequent to the Interim Report on Saskatchewan Vital Statistics for the Calendar Year 1984, which was tabled in the Legislative Assembly on May 1, 1985. The Interim Report is based on place of occurrences in Saskatchewan regardless of place of residence. This Annual Report is based on occurrences to Saskatchewan residents regardless of where they took place.

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Terms and Definitions

A summary of symbols, definitions, and the method of computing rates used in this report are given below.

Symbols:

n.a. figures not available
— nil or zero

Definitions:

Population — unless otherwise indicated, resident population as enumerated in census years or estimated for intercensal years.
— 1972-1975 — June 1 intercensal estimates.
— 1921-1971, 1976, 1981 — census or revised estimates.
— 1977-1980 — final postcensal estimate — June 1st.
— 1982-1984 — June 1 final postcensal estimates.

Births — unless otherwise indicated, infants born alive, i.e. excluding stillbirths.

Stillbirths — unless otherwise indicated, foetal deaths of 20 or more weeks' gestation.

Deaths — unless otherwise indicated, exclude stillbirths.

Infant deaths — deaths under 1 year of age.

Neonatal mortality — deaths under 28 days (4 weeks) of age.

Maternal mortality — deaths due to delivery and complications of pregnancy, childbirth and the puerperium (Categories 630-676 International List).

Perinatal mortality — foetal deaths of 20 or more weeks' gestation plus infant deaths under 7 days (1 week) of age.

Natural increase — excess of births over deaths.

Crude rates — birth, marriage, death and natural increase rates per 1,000 population.

Age-specific fertility rates — birth rate per 1,000 women in the respective age period.

Total fertility rates — sum of female age-specific fertility rates, multiplied by 5

General fertility rates — birth rate per 1,000 women 15-49 years.

Gross reproduction — average number of live daughters that would be born to a hypothetical female birth cohort if subjected to current age-specific fertility rates, and assuming that mortality before age 50 is zero.

Total births — live births and stillbirths.

Years of Life Lost — number of years between age at death and mean life expectancy for that age.

Age — complete ages in years, months, etc.

Average age — arithmetic mean.

Median age — age above and below which half of the total events occur.

Rates

(unless otherwise indicated, computed as follows)

Live births: per 1,000 population.

Stillbirths: per 1,000 live births.

Deaths: per 1,000 population.

Infant: per 1,000 live births.

Neonatal: per 1,000 live births.

Maternal: per 1,000 live births.

Perinatal: per 1,000 total births.

Causes of death
All causes: per 100,000 population.

Infant: per 1,000 live births.

Marriages: per 1,000 population.

Divorces: per 100,000 population.

Natural increase: per 1,000 population.

Notes:

1. Causes of death are coded according to the 9th 1975 Revision of the International Classification of Diseases, Injuries and Causes of Death, which was put into effect on January 1, 1979.
2. Rates and percentages may not add to 100.0 due to rounding.
3. Inquiries about this publication should be addressed to:

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Introduction

Population

At the turn of the century, the first heavy settlement took place in Saskatchewan. This was a period of record migration from overseas, supplemented by a massive east-west movement on the continent itself. This trend, however, reversed during the 1930's. Low fertility and low mortality prevailed and the migration of people began in the opposite direction. After World War II, the fertility rate reversed from low to moderate while the mortality rate remained low. During the 1950's and 1960's, losses in population continued but the higher rate of natural increase counterbalanced these losses. Between 1968 and 1974, the population declined until the 1974 population was less than that of 1961. The population has since shown a marked increase.

Year	*Population (000's)*[1]
1921	757
1931	922
1941	896
1951	832
1961	925
1971	926
1981	968
1982	979
1983	993
1984	1,006

[1] *Source — Statistics Canada.*

During the past 30 years, the proportion of older people (65 years and over) has been increasing both in Canada as a whole and in Saskatchewan.

Percentage Distribution of the Total Population

	Canada		*Saskatchewan*	
Age	*1979*	*1984*	*1979*	*1984*
0-19	33.6	29.9	35.4	32.7
20-44	37.9	40.7	33.7	36.9
45-64	19.2	19.2	19.4	18.1
65+	9.3	10.2	11.5	12.3

Males outnumber females in the population; however, the trend is toward a more equal distribution.

Percentage Distribution by Sex, Saskatchewan

Year	*Male*	*Female*	*Males per 100 Females*
1921	54.6	45.4	120
1931	54.2	45.8	119
1941	53.3	46.7	114
1951	52.2	47.8	109
1961	51.8	48.2	108
1971	50.8	49.2	103
1981	50.2	49.8	101
1982	50.2	49.8	101
1983	50.1	49.9	101
1984	50.1	49.9	101

Births

During the 1920's and 1930's the birth rate was characterized by a declining trend and reached a record low in the late 1930's. Gradually rising during the war years, the rate turned sharply upward, culminating in the peak of 1947. After a dip in the late 1940's, a steady rise occurred until a new peak was reached in 1954. The birth rate had been decreasing until it reached its new record low of 16.4 in 1973. The year 1974 indicated a slight increase with the birth rate at 16.8, and by 1984 the rate had risen to 17.9 per 1,000 population.

Live Birth Rates per 1,000 Population, Canada and Provinces, 1984[1]

	Rate
Canada	15.0
Newfoundland	14.8
Prince Edward Island	15.6
Nova Scotia	14.2
New Brunswick	14.5
Quebec	13.4
Ontario	14.7
Manitoba	15.8
Saskatchewan	17.9
Alberta	18.8
British Columbia	15.3

[1] *Source — Statistics Canada.*

Stillbirths are near an all-time low.

Stillbirth Rates per 1,000 Live Births, Canada and Provinces, 1984[1]

	Rates Weeks Gestation	
	20+	*28+*
Canada	6.2	4.4
Newfoundland	5.8	4.2
Prince Edward Island	6.1	5.6
Nova Scotia	6.7	4.9
New Brunswick	7.7	5.7
Quebec	5.4	4.1
Ontario	6.0	4.3
Manitoba	7.1	5.2
Saskatchewan	7.0	4.8
Alberta	6.5	4.6
British Columbia	6.7	4.4

[1] *Source — Statistics Canada.*

Deaths

The current crude death rate of 7.7 per 1,000 population in Saskatchewan is higher than the 1921 crude death rate (7.4). However, the standardized (age adjusted) mortality rates show a marked improvement (4.9 in 1984) (Table 18). Since 1921, the average age of decedents has more than doubled. Saskatchewan's crude death rate is higher than that for Canada as a whole (7.7 and 7.0 respectively).

Death Rates per 1,000 Population, Canada and Provinces, 1984[1]

	Rate
Canada	7.0
Newfoundland	6.1
Prince Edward Island	8.9
Nova Scotia	7.9
New Brunswick	7.4
Quebec	6.8
Ontario	7.2
Manitoba	7.8
Saskatchewan	7.7
Alberta	5.4
British Columbia	7.2

[1] *Source — Statistics Canada.*

Growth of the older population brought prominence to those diseases which are associated with the conditions of middle and old age, namely the cardio-vascular and renal diseases, and cancer as the leading causes of death. Another leading cause of death, accidents, came into prominence as a result of reductions in mortality from infections and certain other diseases once considered fatal.

Although there have been small fluctuations in the rate of infant deaths per 1,000 live births, on the whole this rate has been decreasing steadily since the record high of 92 infant deaths per 1,000 live births in 1923.

Maternal mortality has been virtually eliminated in Saskatchewan, with just one maternal death occurring in 1984.

Natural Increase

During 1984, the net increase exceeded the natural increase in population, indicating net immigration to the province.

Marriages

During the 1930's, the marriage rate declined. A rise occurred during World War II, followed by a declining trend until 1962. The rate had been rising since 1962 until 1977 and 1978 which again showed a declining trend. The rate for 1984 was slightly lower than in 1983 (7.2 and 7.6 respectively).

Marriage Rate per 1,000 Population, Canada and Provinces, 1984

	Rate
Canada	7.4
Newfoundland	6.2
Prince Edward Island	8.4
Nova Scotia	7.8
New Brunswick	7.4
Quebec	5.7
Ontario	8.0
Manitoba	7.9
Saskatchewan	7.2
Alberta	8.5
British Columbia	8.1

Divorces and Annulments

A new federal Divorce Act came into force on July 2, 1968. Because of the more liberal divorce laws, the number of divorces more than doubled from 385 in 1968 to 881 in 1969. The divorce rate increased from 40 per 100,000 population in 1968 to 92 in 1969.

In 1984 there were 1,988 divorces and annulments in Saskatchewan, with a rate of 198 per 100,000 population. This was a slight decrease from the 1983 rate of 202 per 100,000 population.

Table 1. Summary of Vital Statistics, Saskatchewan, 1979-1984

Item	1979	1980	1981	1982	1983	1984
Population (1,000's)	959	970	968	979	993	1,006
Live births	16,944	17,057	17,209	17,722	17,847	18,014
Rate*	17.7	17.6	17.8	18.1	18.0	17.9
Deaths	7,369	7,651	7,523	8,202	7,611	7,710
Rate*	7.7	7.8	7.8	8.4	7.7	7.7
Natural increase	9,575	9,406	9,686	9,520	10,236	10,304
Rate*	10.0	9.7	10.0	9.7	10.3	10.2
Gross reproduction rate	1.068	1.031	1.035	1.072	1.052	1.028
Infant deaths	194	193	203	186	180	169
Rate†	11.4	11.3	11.8	10.5	10.1	9.4
Neonatal deaths	121	102	112	113	103	101
Rate†	7	6	6.5	6.4	5.8	5.6
Perinatal deaths						
Based on 20+ weeks gestation period for stillbirths	242	222	230	231	216	214
Rate††	14	13	13	13	12	12
Based on 28+ weeks gestation period for stillbirths	212	186	196	195	188	173
Rate††	12	11	11	11	11	10
Stillbirths						
20+ weeks gestation	138	130	137	139	126	128
Rate†	8.1	7.6	8.0	7.8	7.1	7.0
28+ weeks gestation	108	91	103	103	98	87
Rate†	6.4	5.3	6.0	5.8	5.5	4.8
Marriages	7,261	7,561	7,325	7,491	7,504	7,213
Rate*	7.6	7.8	7.6	7.6	7.6	7.2
Divorces and annulments	1,528	1,836	1,932	1,815	2,000	1,988
Rate**	159	189	199	185	202	198

* *Rate per 1,000 population.*
† *Rate per 1,000 live births.*
†† *Rate per 1,000 total births (live births and stillbirths).*
** *Rate per 100,000 population.*

Table 2. Natural Increase and Actual Increase, Saskatchewan, 1961-1984

Year	Population	Live births	Deaths	Natural increase		Estimated actual increase	
				Number	Rate*	Number	Rate*
1961	925,181	23,994	7,107	16,887	18.3	10,161	11.0
1962	930,000	23,341	7,004	16,337	17.6	4,819	5.2
1963	933,000	23,543	7,441	16,102	17.2	3,000	3.2
1964	942,000	22,682	7,373	15,309	16.3	9,000	9.6
1965	950,000	20,494	7,417	13,077	13.8	8,000	8.4
1966	955,344	19,037	7,427	11,610	12.2	5,344	5.6
1967	957,000	17,993	7,441	10,552	11.0	1,656	1.7
1968	960,000	18,197	7,498	10,699	11.1	3,000	3.1
1969	958,000	17,592	7,492	10,100	10.5	−2,000	−2.1
1970	941,000	16,443	7,472	8,971	9.5	−17,000	−18.1
1971	926,242	16,054	7,413	8,641	9.3	−14,758	−15.9
1972	914,000	15,473	7,590	7,883	8.6	−12,242	−13.4
1973	904,500	14,806	7,646	7,160	7.9	−9,500	−10.5
1974	899,700	15,118	7,814	7,304	8.1	−4,800	−5.3
1975	907,400	15,265	7,672	7,593	8.4	7,700	8.5
1976	921,325	15,969	7,809	8,160	8.9	13,925	15.1
1977	937,000	16,547	7,593	8,954	9.6	15,675	16.7
1978	948,400	16,551	7,749	8,802	9.3	11,400	12.0
1979	959,000	16,944	7,369	9,575	10.0	10,600	11.0
1980	970,100	17,057	7,651	9,406	9.7	11,100	11.4
1981	968,310	17,209	7,523	9,686	10.0	−1,790	−1.8
1982	979,100	17,722	8,202	9,520	9.7	10,790	11.0
1983	992,700	17,847	7,611	10,236	10.3	13,600	13.7
1984	1,006,200	18,014	7,710	10,304	10.2	13,500	13.4

* *Rate per 1,000 population.*

Table 3. Live Births and Deaths by Place of Occurrence and Place of Residence, Saskatchewan, 1984*

Item	Live births	Deaths
OCCURRING IN SASKATCHEWAN	**18,106**	**7,717**
Saskatchewan residents	17,680	7,554
Non-residents	426	163
— Canadian residents	421	146
— United States residents	3	15
— Other	2	2
OCCURRING TO SASKATCHEWAN RESIDENTS	**18,014**	**7,710**
In Saskatchewan	17,680	7,554
Elsewhere		
— In Canada	331	152
— In United States	3	4

* *Source — Statistics Canada.*

Table 4. Population of Saskatchewan by Age Groups and Sex, 1982-1984*

Age group	1982		1983		1984	
	Number	Per cent	Number	Per cent	Number	Per cent
	Both sexes					
All ages	979,100	100.0	992,700	100.0	1,006,200	100.0
0-4	82,800	8.5	83,800	8.4	84,300	8.4
5-9	78,200	8.0	78,900	7.9	80,700	8.0
10-14	79,400	8.1	79,600	8.0	79,200	7.9
15-19	91,900	9.4	88,200	8.9	84,500	8.4
20-24	89,900	9.2	92,300	9.3	95,900	9.5
25-29	84 100	8.6	86,700	8.7	88,900	8.8
30-34	69,200	7.1	72,200	7.3	76,000	7.6
35-39	55,200	5.6	58,300	5.9	61,800	6.1
40-44	46,300	4.7	47,500	4.9	48,900	4.9
45-49	44,700	4.6	44,600	4.5	44,600	4.4
50-54	47,000	4.8	46,500	4.7	46,000	4.6
55-59	46,700	4.8	46,900	4.7	46,300	4.6
60-64	44,700	4.6	44,900	4.5	45,300	4.5
65-69	40,200	4.1	40,600	4.1	40,100	4.0
70-74	31,400	3.2	32,300	3.3	33,200	3.3
75-79	22,200	2.3	23,200	2.3	23,700	2.4
80-84	13,500	1.4	14,300	1.4	14,900	1.5
85-89	7,500	0.8	7,500	0.8	7,500	0.7
90+	4,200	0.4	4,400	0.4	4,600	0.5
	Male					
All Ages	490,700	100.0	497,100	100.0	503,800	100.0
0-4	42,500	8.7	43,100	8.7	43,400	8.6
5-9	39,800	8.1	40,200	8.1	41,200	8.2
10-14	40,800	8.3	40,800	8.2	40,500	8.0
15-19	47,000	9.6	45,200	9.1	43,400	8.6
20-24	45,300	9.2	46,300	9.3	48,400	9.6
25-29	42,600	8.7	43,800	8.8	44,800	8.9
30-34	35,400	7.2	36,900	7.4	38,900	7.7
35-39	28,000	5.7	29,700	6.0	31,500	6.3
40-44	23,300	4.7	24,000	4.8	24,700	4.9
45-49	22,600	4.6	22,500	4.5	22,500	4.5
50-54	23,700	4.8	23,500	4.7	23,100	4.6
55-59	23,200	4.7	23,200	4.7	22,900	4.6
60-64	21,600	4.4	21,800	4.4	22,000	4.4
65-69	19,300	3.9	19,400	3.9	19,000	3.8
70-74	15,000	3.1	15,200	3.1	15,400	3.1
75-79	10,200	2.1	10,600	2.1	10,800	2.1
80-84	6,000	1.2	6,400	1.3	6,700	1.3
85-89	2,900	0.6	2,900	0.6	2,800	0.6
90+	1,600	0.3	1,600	0.3	1,600	0.3

Table 4. Population of Saskatchewan by Age Groups and Sex, 1982-1984* (Continued)

Age group	1982		1983		1984	
	Number	Per cent	Number	Per cent	Number	Per cent
	Female					
All ages	488,400	100.0	495,600	100.0	502,400	100.0
0-4	40,300	8.3	40,700	8.2	41,000	8.2
5-9	38,400	7.9	38,700	7.8	39,400	7.8
10-14	38,600	7.9	38,800	7.8	38,700	7.7
15-19	45,000	9.2	43,000	8.7	41,000	8.2
20-24	44,700	9.2	45,900	9.3	47,500	9.5
25-29	41,500	8.5	42,900	8.7	44,100	8.8
30-34	33,800	6.9	35,300	7.1	37,100	7.4
35-39	27,100	5.5	28,600	5.8	30,300	6.0
40-44	23,000	4.7	23,500	4.7	24,200	4.8
45-49	22,100	4.5	22,100	4.5	22,100	4.4
50-54	23,300	4.8	23,000	4.6	22,900	4.6
55-59	23,500	4.8	23,700	4.8	23,400	4.7
60-64	23,100	4.7	23,100	4.7	23,000	4.6
65-69	20,900	4.3	21,200	4.3	21,100	4.2
70-74	16,500	3.4	17,100	3.5	17,800	3.5
75-79	12,000	2.5	12,600	2.4	12,900	2.6
80-84	7,500	1.5	7,900	1.6	8,200	1.6
85-89	4,600	0.9	4,600	0.9	4,600	0.9
90+	2,600	0.5	2,800	0.6	2,900	0.6

* *Columns may not add to totals due to rounding error.*

Source — 1982, 1983 and 1984: Statistics Canada Postcensal Population Estimates. Publication No. 91-202 and 91-210

Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1984

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Total for Province	968,310	18,014	7,710	169	101	128	214	7,213
Cities	462,093	9,214	3,698	83	61	61	113	4,496
Estevan	9,174	179	87	1	1	1	2	96
Lloydminster (Sask.)	6,034	178	27	—	—	3	3	56
Melfort	6,010	133	85	—	—	—	—	62
Melville	5,092	91	68	—	—	—	—	40
Moose Jaw	33,941	588	355	7	4	2	6	290
North Battleford	14,030	285	132	1	1	2	3	150
Prince Albert	31,380	678	270	2	2	4	5	333
Regina	162,613	3,258	1,121	41	28	20	43	1,422
Saskatoon	154,210	3,154	1,116	25	20	26	44	1,605
Swift Current	14,747	237	169	1	—	—	—	178
Weyburn	9,523	172	100	3	3	1	4	81
Yorkton	15,339	261	168	2	2	2	3	183
Towns	110,321	2,114	1,494	26	16	13	26	1,045
Assiniboia	2,924	45	49	2	1	—	1	40
Battleford	3,565	59	43	—	—	—	—	22
Biggar	2,561	45	36	—	—	—	—	25
Canora	2,667	33	69	1	—	—	—	23
Carlyle	1,074	47	15	—	—	—	—	6
Carnduff	1,043	15	14	—	—	1	1	5
Carrot River	1,169	25	12	—	—	—	—	18
Coronach	1,032	35	9	—	—	—	—	9
Creighton	1,636	23	4	—	—	1	1	—
Dalmeny	1,064	23	11	—	—	—	—	7
Davidson	1,166	21	14	1	—	1	1	20
Esterhazy	3,065	55	28	—	—	—	—	27
Eston	1,413	26	22	1	1	—	1	12
Foam Lake	1,452	23	35	—	—	—	—	14
Fort Qu'Appelle	1,827	52	30	—	—	1	1	17
Gravelbourg	1,338	20	10	—	—	1	1	21
Grenfell	1,307	35	23	1	1	—	1	9
Gull Lake	1,095	28	24	—	—	—	—	15
Herbert	1,019	12	16	—	—	—	—	6
Hudson Bay	2,361	64	29	—	—	—	—	17
Humboldt	4,705	102	70	—	—	—	—	50
Indian Head	1,889	32	44	1	1	—	1	15
Kamsack	2,688	31	54	1	1	—	1	24
Kelvington	1,054	20	13	—	—	—	—	17
Kerrobert	1,141	24	9	—	—	—	—	18
Kindersley	3,969	101	52	2	1	—	—	45
Kipling	1,016	19	20	—	—	—	—	10
La Ronge	2,579	125	15	1	—	1	1	17
Langenburg	1,324	25	25	1	1	1	2	14
Langham	1,151	16	10	—	—	—	—	—
Lanigan	1,732	31	11	1	1	—	1	15
Leader	1,108	15	10	—	—	1	1	8
Lumsden	1,303	27	11	1	1	—	—	14
Maidstone	1,001	20	21	—	—	—	—	10
Maple Creek	2,470	34	54	—	—	—	—	24
Martensville	1,966	69	9	1	—	—	—	17
Meadow Lake	3,857	92	40	2	1	2	2	44
Moosomin	2,579	46	32	1	—	—	—	24

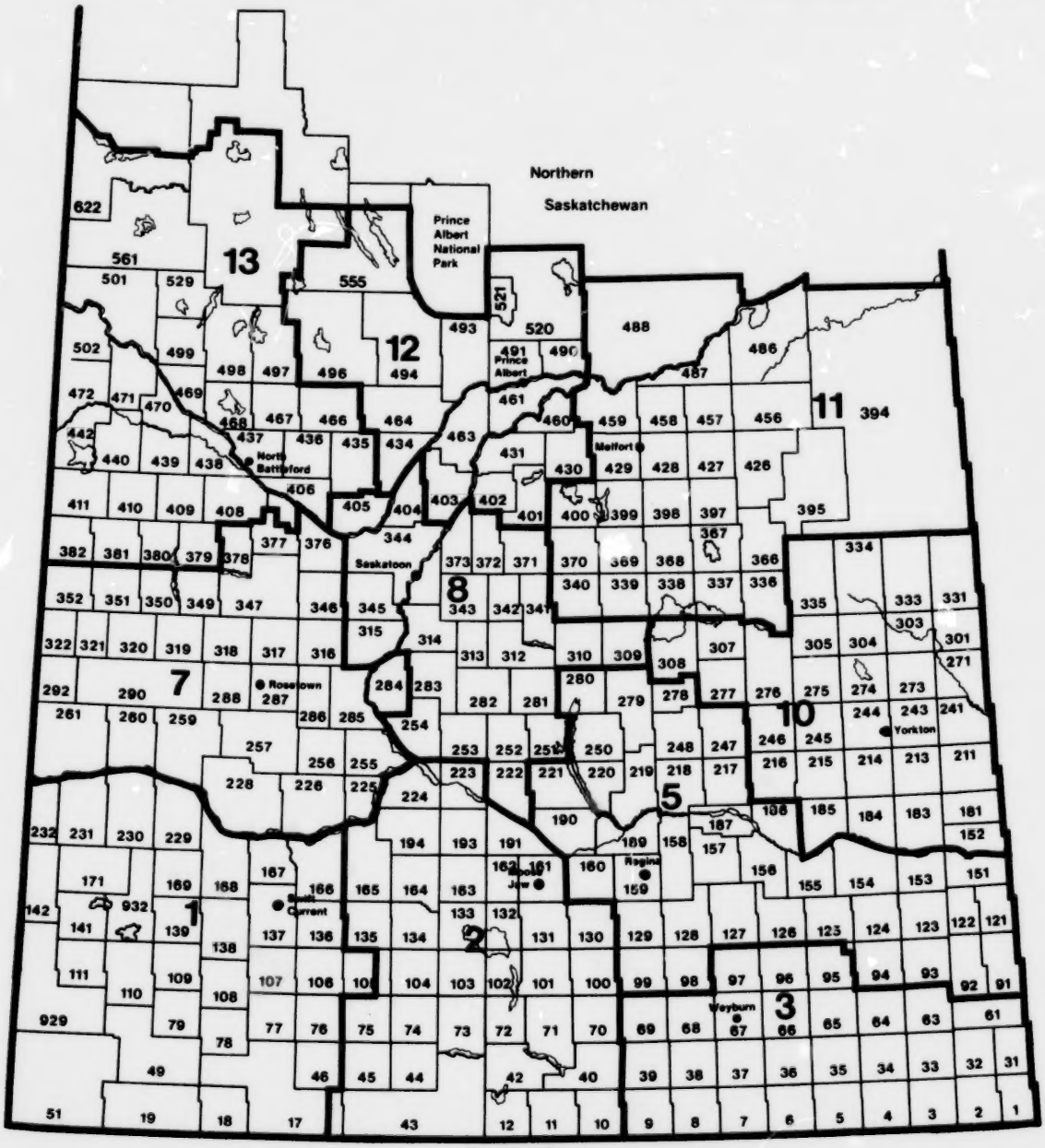
Table 5. Summary of Population and Vital Statistics for Incorporated Urban Places of 1,000 Population and Over, Saskatchewan, 1984 (Continued)

Place of residence	Population*	Live births	Deaths	Infant deaths	Neonatal deaths	Stillbirths	Perinatal deaths	Marriages
Nipawin	4,376	82	63	1	1	—	1	52
Outlook	1,976	37	28	2	2	—	2	13
Oxbow	1,191	17	15	—	—	—	—	8
Pilot Butte	1,255	19	2	—	—	—	—	2
Preeceville	1,243	13	25	1	1	—	1	14
Radville	1,012	11	24	—	—	—	—	7
Rosetown	2,664	54	29	—	—	—	—	27
Rosthern	1,609	22	25	1	—	1	1	6
Shaunavon	2,112	24	35	—	—	—	—	25
Shellbrook	1,228	19	22	—	—	1	1	14
Tisdale	3,107	49	38	—	—	1	1	48
Unity	2,408	40	31	1	1	—	1	28
Uranium City	2,748	7	—	—	—	—	—	—
Wadena	1,495	19	26	—	—	—	—	20
Wakaw	1,030	23	20	—	—	—	—	6
Warman	2,076	52	14	1	1	--	1	15
Watrous	1,830	29	22	—	—	—	—	17
Whitewood	1,003	22	30	—	—	—	—	16
Wilkie	1,501	22	24	—	—	—	—	17
Wynyard	2,147	38	28	1	—	—	—	31

* *Population at the time of the 1981 census.*

Health Regions

Figure 1. Health Region Map



Since Saskatchewan has no fixed political divisions corresponding to the counties of eastern Canada, census divisions have been used in the past for the presentation of statistical data for areas smaller than the province. These were designed to permit future subdivisions, if necessitated by population increases, without destroying comparability of information collected by earlier census counts.

In the meantime, certain demographic, economic and social patterns had begun to emerge in the province. For general public health purposes, vital statistics must be presented in a form which can be related to these patterns. With this in mind, commencing in 1954, the tabulations of vital statistics by health statistical areas was undertaken, in close collaboration with the Dominion Bureau of Statistics. These areas represented territorial divisions of the province, each one of which is served by one or two dominant urban centres. As of 1974, vital statistics are presented by Health Regions. The cities of Regina and Saskatoon, with their own health departments, and *Northern Saskatchewan* form separate reporting areas.

The presentation of data on births, deaths and marriages according to health regions enables medical health officers, and others engaged in administrative or epidemiological tasks, to relate these and all other relevant data in a meaningful way.

Births by Health Region

Birth rates for health regions in 1984 ranged from a high 31.5 per 1,000 population in the sparsely populated *Northern Saskatchewan* area to a low 12.8 in the Yorkton-Melville region. The Northern areas (North Battleford, Prince Albert and the *Northern Health Services*) and the largest cities (Regina and Saskatoon) have shown consistently high birth rates over the years with *Northern Saskatchewan* being the highest.

These high birth rates coupled with relatively low death rates have given the northern areas and the largest cities, rates of natural increase higher than other areas in the province.

Deaths by Health Region

In 1984, the Yorkton-Melville region had the highest death rate (9.8 per 1,000 population). *Northern Saskatchewan* had the lowest rate (4.5 per 1,000 population). Deaths and rates by health regions are found in Table 7, page 22.

Table 6. Population of Health Regions, Saskatchewan, 1984

Health Regions	Population
Total for Province	**1,028,965**
No. 1 Swift Current	49,382
No. 2 Moose Jaw-Assiniboia-Gravelbourg	70,148
No. 3 Weyburn-Estevan	51,940
No. 5 Regina Rural	75,569
No. 7 Rosetown-Biggar-Kindersley	42,093
No. 8 Saskatoon Rural	48,902
No. 10 Yorkton-Melville	82,881
No. 11 Melfort-Tisdale	74,759
No. 12 Prince Albert	80,119
No. 13 North Battleford	81,833
Regina City	172,340
Saskatoon City	170,748
Northern Saskatchewan	28,251

Source: SHSP Covered Population

Table 7. Summary of Vital Statistics for Health Regions, Saskatchewan Residents, 1984

Health regions	Live births		Deaths		Natural increase		Marriages	
	Number	Rate*	Number	Rate*	Number	Rate*	Number	Rate*
Total for province	18,014	17.5	7,710	7.5	10,304	10.0	7,213	7.0
No. 1 Swift Current	750	15.2	439	8.9	311	6.3	324	6.6
No. 2 Moose Jaw-Assiniboia-Gravelbourg	1,151	16.4	625	8.9	526	7.5	502	7.2
No. 3 Weyburn-Estevan	846	16.3	425	8.2	421	8.1	311	6.0
No. 5 Regina Rural	1,097	14.5	615	8.1	482	6.4	366	4.8
No. 7 Rosetown-Biggar-Kindersley	784	18.6	327	7.8	457	10.9	220	5.2
No. 8 Saskatoon Rural	812	16.6	271	5.5	541	11.1	239	4.9
No. 10 Yorkton-Melville	1,063	12.8	810	9.8	253	3.1	539	6.5
No. 11 Melfort-Tisdale	1,134	15.2	655	8.8	479	6.4	514	6.9
No. 12 Prince Albert	1,430	17.8	587	7.3	843	10.5	562	7.0
No. 13 North Battleford	1,646	20.1	593	7.2	1,053	12.9	494	6.0
City of Regina	3,258	18.9	1,121	6.5	2,137	12.4	1,422	8.3
City of Saskatoon	3,154	18.5	1,116	6.5	2,038	11.9	1,605	9.4
Northern Saskatchewan	889	31.5	126	4.5	763	27.0	115	4.1

Health regions	Infant deaths		Neonatal deaths		Stillbirths**		Perinatal deaths**	
	Number	Rate†	Number	Rate†	Number	Rate†	Number	Rate††
Total for province	169	9.4	101	5.6	128	7.1	214	11.8
No. 1 Swift Current	6	8.0	3	4.0	2	2.7	5	6.6
No. 2 Moose Jaw-Assiniboia-Gravelbourg	9	7.8	5	4.3	8	7.0	13	11.2
No. 3 Weyburn-Estevan	6	7.1	5	5.9	6	7.1	10	11.7
No. 5 Regina Rural	9	8.2	6	5.5	9	8.2	13	11.8
No. 7 Rosetown-Biggar-Kindersley	10	12.8	7	8.9	3	3.8	9	11.4
No. 8 Saskatoon Rural	5	6.2	3	3.7	5	6.2	8	9.8
No. 10 Yorkton-Melville	14	13.2	6	5.6	7	6.6	12	11.2
No. 11 Melfort-Tisdale	8	7.1	3	2.6	9	7.9	12	10.5
No. 12 Prince Albert	10	7.0	4	2.8	10	7.0	12	8.3
No. 13 North Battleford	17	10.3	8	4.9	16	9.7	23	13.8
City of Regina	41	12.6	28	8.6	20	6.1	43	13.1
City of Saskatoon	25	7.9	20	6.3	26	8.2	44	13.8
Northern Saskatchewan	9	10.1	3	3.4	7	7.9	10	11.2

* *Rate per 1,000 live population — Saskatchewan Hospital Services Plan Covered Population*
† *Rate per 1,000 live births.*
** *Based on 20+ weeks gestation.*
†† *Rate per 1,000 total births.*

Table 8. Selected Leading Causes of Death by Residence, Saskatchewan, 1984

Place of residence	Cause of death								
	All deaths	Heart diseases (A128-A148)	Malignant neoplasms (A37-A86)	Cerebro-vascular disease (A149-A155)	Accidents (AE234-AE263)	Pneumonia (A163-A167)	Certain causes of perinatal mortality (A229-A231)	Suicide and self-inflicted injury (A264-A270)	Other
Total for province	7,710	2,561	1,688	682	479	382	63	136	1,719
Cities* (with more than 5,000 population)	3,700	1,191	814	350	188	207	38	68	844
Estevan (3)	87	23	16	8	4	4	1	–	31
Melfort (11)	87	34	8	9	5	6	–	–	25
Melville (10)	68	18	10	12	1	4	–	–	23
Moose Jaw (2)	355	133	81	21	9	20	1	6	84
North Battleford (13)	132	45	26	13	9	6	–	1	32
Prince Albert (12)	270	73	69	34	15	15	1	6	57
Regina	1,121	324	275	105	56	61	20	23	257
Saskatoon	1,116	371	230	100	71	54	13	23	254
Swift Current (1)	169	57	29	18	10	13	–	4	38
Weyburn (3)	100	28	22	11	6	8	1	2	22
Yorkton (10)	168	73	42	17	1	14	1	3	17
Lloydminster (Sask.) (13)	27	12	6	2	1	2	–	–	4
Health regions (excluding cities)	4,010	1,370	874	332	291	175	25	68	875
No. 1 Swift Current	270	102	52	18	10	23	3	4	58
No. 2 Moose Jaw-Assiniboia-Gravelbourg	270	101	66	21	16	14	1	3	48
No. 3 Weyburn-Estevan	238	76	53	24	22	10	1	5	47
No. 5 Regina Rural	615	209	154	45	37	22	3	9	136
No. 7 Rosetown-Biggar-Kindersley	327	92	73	23	26	12	2	4	95
No. 8 Saskatoon Rural	271	89	65	19	19	14	2	6	57
No. 10 Yorkton-Melville	574	214	116	64	32	28	3	10	107
No. 11 Melfort-Tisdale	568	205	129	44	35	20	–	7	128
No. 12 Prince Albert	317	104	61	39	27	14	1	3	68
No. 13 North Battleford	434	155	82	28	40	14	7	5	103
Northern Saskatchewan	126	23	23	7	27	4	2	12	28

* *Health region number is given in parenthesis.*

Births

Birth Rate

There were 18,014 live births to Saskatchewan residents in 1984, resulting in a birth rate of 17.9 per 1,000 population.

Multiple Births

Multiple births in 1984 included 143 sets of twins and 4 sets of triplets. Four sets of twins included one stillborn infant and two set of twins were both stillborn. One set of triplets included two liveborn and one stillborn infant and one set included one liveborn and two stillborn infants.

Births in Hospitals

In 1984, 36 births did not occur in hospital.

Births by Sex

Continuing a long-term trend, there were more male live births than female live births in 1984, numbering 9,213 and 8,801 respectively, a ratio of 1,047 male to 1,000 female live births.

Male Live Births per 1,000 Female Live Births	
1972	1,041
1973	1,044
1974	1,038
1975	1,024
1976	1,044
1977	1,055
1978	1,053
1979	1,052
1980	1,080
1981	1,070
1982	1,024
1983	1,027
1984	1,047

Births Occurring to Single Mothers

There was an increase in the number of babies born to single mothers in 1984, numbering 3,550 compared to 3,366 in 1983. The single parent live births increased to 19.7 per cent of all births.

The average age of unmarried mothers was lower (21.6) than that of married mothers (26.4).

Stillbirths

The minimum gestational period for compulsory registration of foetal deaths was lowered from 28 weeks to 20 weeks in 1961 due to a change in the definition of stillbirth. Using this definition, there were 128 stillbirths in the province in 1984, giving a rate of 7.0 per 1,000 live births. Stillbirths occurred most frequently in the gestation periods of 20-27, 33-37 and 38-40 weeks. Males accounted for 49.2 per cent of total stillbirths. The average age of mothers bearing stillborn children was 25.2 years. The average age of mothers whose children were liveborn was 25.4 years.

Fertility Rates

The crude birth rate, i.e. the rate per 1,000 total population, is an inadequate measure of the rate at which the population is replacing itself because it is so much affected by changes in the age and sex composition of the population.

Almost all children born each year are to women between the ages of 15 and 49 — with very small numbers above and below these ages. Variations in the proportion of women of these ages to the total population will cause variations in the crude birth rates of different countries or even regions within a country or a province, even though the actual rates of reproduction or fertility of the women in those age groups are identical. It is therefore conventional to calculate an age specific fertility rate, i.e. an individual birth rate per 1,000 women in each of these reproductive age periods. The sum of these rates multiplied by five represents the "total fertility", that is, the number of births which 1,000 women would have throughout their lifetime, assuming no mortality, if they experienced at each age the fertility in effect during the period concerned.

From this in turn can be calculated a gross reproduction rate, which for a given year represents the average number of female infants that would be born to each woman who lived to reach the age of 50 if the fertility rates of a given year remained unchanged. When the gross reproduction rate falls below one, the women in the reproductive period of life are not having enough children to replace themselves, even if all their children lived to maturity.

Age Specific Fertility Rates, Saskatchewan, 1984

Age groups	*Rate per 1,000*
15-19	49.0
20-24	127.3
25-29	145.6
30-34	75.8
35-39	20.1
40-44	3.4
45-49	0.4
Total Fertility	2.108
Gross Reproduction Rate	1.028

Age of Parents

The average age of parents is determined by the interaction of several factors, the most important of which are age at marriage, the length of time between marriage and the arrival of the first child, and the spacing of additional children during the mother's reproductive period. The decreasing average age of parents has been caused by the combination of early marriage, closer spacing of children in young families, limiting of family size and limiting of reproduction to the early years of marriage.

In 1984, the average age of fathers was 28.6 years, of married mothers 26.4 years, and of unmarried mothers 21.6 years.

Birth Order

Thirty-eight per cent of all live births were first children and 65 per cent of the mothers of these first-born were under 25 years of age. 7.9 per cent of first-born infants were to mothers over 30 years of age. First, second, and third children made up 88 per cent of total births, and 49 per cent of these mothers were under 25 years of age. Average age of mothers for first-born infants for 1984 was 23.0 years.

Birth Weight

Birth weight information provides the number of immaturely-developed live deliveries, those which are exposed to a greater risk of death than a "mature" infant. The recommendations of the World Health Organization specify that infants of 2500 grams or less at birth (approximately 5 pounds, 8 ounces) be considered "immature".

The average weight of all infants born in 1984 was 3421.4 grams. There is a direct relationship between the age of mother and birth weight. The proportion of "immature" births by age of mother reveals that a mother has a greater chance of delivering an "immature" foetus at less than 20 years or over 40 years of age than at any other age in the reproductive period. This data is illustrated on page 28, table no. 13.

There is also a relationship between the weight of the foetus and period of gestation. Of the 3.1 per cent of children born in 1984 at less than 36 weeks gestation, 76.4 per cent were "immature". Of those born in the period of 36 to 39 weeks, 6.2 per cent were classified as "immature" and of those born after 40 weeks gestation only 1.0 per cent weighed 2500 grams or less. This data is illustrated on page 29, table no. 14.

Table 9. Stillbirths by Sex and Period of Gestation, Saskatchewan, 1984

Period of gestation (weeks)	Number			Per cent distribution		
	Total	Male	Female	Total	Male	Female
Total	128	63	65	100.0	49.2	50.8
20-27	41	20	21	32.0	48.8	51.2
28-32	24	9	15	18.8	37.5	62.5
33-37	30	17	13	23.4	56.7	43.3
38-40	28	14	14	21.9	50.0	50.0
41+	5	3	2	3.9	60.0	40.0

Table 10. Live Births and Stillbirths by Age of Mother, Saskatchewan, 1984*

Age group	All births		Type of birth			
			Live births		Stillbirths	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	18,142	100.0	18,014	100.0	128	100.0
Under 20	2,058	11.3	2,034	11.3	24	18.8
20-24	6,087	33.6	6,048	33.6	39	30.5
25-29	6,455	35.6	6,420	35.6	35	27.3
30-34	2,831	15.6	2,813	15.6	18	14.1
35-39	619	3.4	608	3.4	11	8.6
40-44	84	0.5	83	0.5	1	0.8
45-49	8	**	8	**	—	—
Average age		25.4		25.4		25.2
Median age		25.0		25.0		25.0

* *This table shows the number of births and stillbirths occuring to mothers in these age groups, and not the actual number of mothers in each group, as not all births were single births.*

** *Less than 0.1 per cent.*

Table 11. Live Births by Age of Parent, Saskatchewan, 1984*

Age group	Fathers		Married mothers		Unmarried mothers	
	Number	Per cent	Number	Per cent	Number	Per cent
Total	18,014	100.0	14,259	100.0	3,755	100.0
Under 20	2,719	15.1	562	3.9	1,472	39.2
20-24	3,117	17.3	4,624	32.4	1,424	37.9
25-29	6,153	34.2	5,833	40.9	587	15.6
30-34	4,062	22.5	2,611	18.3	202	5.4
35-39	1,408	7.8	554	3.9	54	1.4
40-44	389	2.2	68	0.5	15	0.4
45-49	104	0.6	7	**	1	**
50†	62	0.3	—	—	—	—
Average age†		28.6		26.4		21.6
Median age†		28.0		26.0		21.0

* *This table shows the number of live births occuring to parents in these age groups, and not the actual number of parents in each age group, as not all births were single births.*

† *Average and median ages were calculated using single year age groups.*

** *Less than 0.05 per cent.*

Table 12. Live Births by Age of Mother and Order of Birth, Saskatchewan, 1984

Order of birth	Age of mother									
	Total	Under 15	15-19	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total	19,014	26	2,008	6,048	6,420	2,813	608	83	8	—
1st child	6,791	26	1,589	2,803	1,834	461	71	6	1	—
2nd child	5,914	—	354	2,155	2,351	893	149	12	—	—
3rd child	3,230	—	51	812	1,454	760	135	17	1	—
4th child	1,247	—	13	191	525	411	97	9	1	—
5th child	442	—	1	66	151	150	60	12	2	—
6th child	199	—	—	17	75	59	39	9	—	—
7th child	96	—	—	3	19	46	23	5	—	—
8th child	37	—	—	1	10	14	11	1	—	—
9th child	25	—	—	—	1	10	11	1	2	—
10th child	12	—	—	—	—	5	4	3	—	—
11th child	10	—	—	—	—	4	5	—	1	—
12th child	4	—	—	—	—	—	2	2	—	—
13th child	5	—	—	—	—	—	1	4	—	—
14th child	—	—	—	—	—	—	—	—	—	—
15th child	—	—	—	—	—	—	—	—	—	—
16th child	—	—	—	—	—	—	—	—	—	—
17th child	2	—	—	—	—	—	—	2	—	—
Not stated	—	—	—	—	—	—	—	—	—	—

Table 13. Live Births by Age of Mother and Birth Weight, Saskatchewan, 1984

Birth weight			Age of mother							
Gram intervals	Equivalent in lbs./oz.	Total	-20 years	20-24	25-29	30-34	35-39	40-44	45+	Not stated
Total		18,014	2,034	6,048	6,420	2,813	608	83	8	–
500 or less	1/1 or less	19	2	10	4	2	1	–	–	–
501-750	1/2-1/10	15	1	3	6	3	2	–	–	–
751-1,000	1/11-2/3	27	3	9	6	8	1	–	–	–
1,001-1,250	2/4-2/12	30	4	7	9	9	1	–	–	–
1,251-1,500	2/13-3/4	54	11	19	10	9	4	1	–	–
1,501-1,750	3/5-3/13	71	14	27	23	5	2	–	–	–
1,751-2,000	3/14-4/6	117	12	43	40	17	3	2	–	–
2,001-2,250	4/7-4/15	192	27	65	56	30	13	–	1	–
2,251-2,500	5/0-5/8	389	56	136	121	63	11	2	–	–
Total 2,500 or less	5/8 or less	914	130	319	275	146	38	5	1	–
2,501-2,750	5/9-6/1	804	112	268	269	137	17	–	1	–
2,751-3,000	6/2-6/9	1,649	205	584	568	220	64	8	–	–
3,001-3,250	6/10-7/2	2,892	368	1,003	1,023	394	87	15	2	–
3,251-3,500	7/3-7/11	3,596	402	1,229	1,283	552	108	21	1	–
3,501-3,750	7/12-8/4	3,369	351	1,169	1,224	514	98	11	2	–
3,751-4,000	8/5-8/13	2,509	252	782	931	435	100	9	–	–
4,001-4,250	8/14-9/6	1,296	131	390	490	226	51	7	1	–
4,251-4,500	9/7-9/14	624	59	199	214	121	26	5	–	–
4,501-4,750	9/15-10/7	243	20	75	95	44	9	–	–	–
4,751-5,000	10/8-11/0	85	4	21	33	20	5	2	–	–
5,001-5,250	11/1-11/9	22	–	5	12	3	2	–	–	–
5,251-5,500	11/10-12/2	8	–	3	2	1	2	–	–	–
5,501-5,750	12/3-12/10	1	–	–	–	–	1	–	–	–
5,751-6,000	12/11-13/3	2	–	1	1	–	–	–	–	–
Total 2,501+	over 5/8	17,100	1,904	5,729	6,145	2,667	570	78	7	–
Not stated		–	–	–	–	–	–	–	–	–
Per cent of total		100.0	11.3	33.6	35.6	15.6	3.4	0.5	*	–
Per cent 2,500 grams or less		5.1	6.4	5.3	4.3	5.2	6.3	6.0	12.5	–
Average weight (grams)		3,421.4	3,352.7	3,400.5	3,445.2	3,454.5	3,451.1	3,455.4	3,230.3	–
Median weight (grams)		3,440.0	3,373.0	3,430.0	3,458.0	3,487.0	3,487.0	3,400.0	3,319.0	–

* *Less than 0.05 per cent.*

Table 14. Live Births by Period of Gestation and Birth Weight, Saskatchewan, 1984

Birth weight			Period of gestation							
Gram intervals	Equivalent in lbs./oz.	Total	-20 weeks	20-23	24-27	28-31	32-35	36-39	40+	Not stated
Total		18,014	1	21	42	96	404	5,973	11,477	–
500 or less	1/1 or less	19	–	15	4	–	–	–	–	–
501-750	1/2-1/10	15	1	4	7	3	–	–	–	–
751-1,000	1/11-2/3	27	–	–	21	6	–	–	–	–
1,001-1,250	2/4-2/12	30	–	1	7	15	6	1	–	–
1,251-1,500	2/13-3/4	54	–	1	2	34	13	3	1	–
1,501-1,750	3/5-3/13	71	–	–	–	18	33	15	5	–
1,751-2,000	3/14-4/6	117	–	–	–	8	58	46	5	–
2,001-2,250	4/7-4/15	192	–	–	–	5	79	87	21	–
2,251-2,500	5/0-5/8	389	–	–	1	2	87	216	83	–
Total 2,500 or less	5/8 or less	914	1	21	42	91	276	368	115	–
2,501-2,750	5/9-6/1	804	–	–	–	2	50	480	272	–
2,751-3,000	6/2-6/9	1,649	–	–	–	–	41	881	727	–
3,001-3,250	6/10-7/2	2,892	–	–	–	2	13	1,211	1,666	–
3,251-3,500	7/3-7/11	3,596	–	–	–	–	15	1,197	2,384	–
3,501-3,750	7/12-8/4	3,369	–	–	–	1	3	917	2,448	–
3,751-4,000	8/5-8/13	2,509	–	–	–	–	2	544	1,963	–
4,001-4,250	8/14-9/6	1,296	–	–	–	–	3	210	1,083	–
4,251-4,500	9/7-9/14	624	–	–	–	–	1	111	512	–
4,501-4,750	9/15-10/7	243	–	–	–	–	–	35	208	–
4,751-5,000	10/8-11/0	85	–	–	–	–	–	15	70	–
5,001-5,250	11/1-11/9	22	–	–	–	–	–	3	19	–
5,251-5,500	11/10-12/2	8	–	–	–	–	–	1	7	–
5,501-5,750	12/3-12/10	1	–	–	–	–	–	–	1	–
5,751-6,000	12/11 13/3	2	–	–	–	–	–	–	2	–
Total 2,501+	over 5/8	17,100	–	–	–	5	128	5,605	11,362	–
Not stated		–	–	–	–	–	–	–	–	–
Per cent of total		100.0	*	0.1	0.2	0.5	2.2	33.2	63.7	–
Per cent 2,500 grams or less		5.1	100.0	100.0	100.0	94.8	68.3	6.2	1.0	–
Average weight (grams)		3,421.4	660.0	480.4	888.4	1,517.6	2,317.8	3,264.1	3,572.9	–
Median weight (grams)		3,440.0	660.0	410.0	893.0	1,442.5	2,296.0	3,260.0	3,570.0	–

* *Less than 0.05 per cent.*

Table 15. Live Births by Marital Status and Birth Weight for Mothers Under 20, Saskatchewan, 1984

Gram Intervals	Marital Status				
	Single	Married	Divorced	Not Stated	Total
Total	**1,471**	**562**	**1**	**–**	**2,034**
500 or less	2	–	–	–	2
501 - 750	–	1	–	–	1
751 - 1,000	3	–	–	–	3
1,001 - 1,250	3	1	–	–	4
1,251 - 1,500	8	3	–	–	11
1,501 - 1,750	14	–	–	–	14
1,751 - 2,000	8	4	–	–	12
2,001 - 2,250	20	7	–	–	27
2,251 - 2,500	42	14	–	–	56
Total 2,500 or less	**100**	**30**	**–**	**–**	**130**
2,501 - 2,750	91	21	–	–	112
2,751 - 3,000	150	55	–	–	205
3,001 - 3,250	261	107	–	–	368
3,251 - 3,500	301	100	1	–	402
3,501 - 3,750	252	99	–	–	351
3,751 - 4,000	175	77	–	–	252
4,001 - 4,250	86	45	–	–	131
4,251 - 4,500	39	20	–	–	59
4,501 - 4,750	13	7	–	–	20
4,751 - 5,000	3	1	–	–	4
Not Stated	–	–	–	–	–

Table 16. Live Births by Marital Status and Gestation for Mothers Under 20, Saskatchewan, 1984

Gestation	Marital Status				
	Single	Married	Divorced	Not Stated	Total
20 weeks	2	–	–	–	2
21 weeks	–	–	–	–	–
22 weeks	1	–	–	–	1
23 weeks	–	–	–	–	–
24 weeks	1	1	–	–	2
25 weeks	1	–	–	–	1
26 weeks	–	–	–	–	–
27 weeks	2	1	–	–	3
28 weeks	3	–	–	–	3
29 weeks	2	–	–	–	2
30 weeks	4	–	–	–	4
31 weeks	5	–	–	–	5
32 weeks	10	1	–	–	11
33 weeks	7	1	–	–	8
34 weeks	19	7	–	–	26
35 weeks	22	5	–	–	27
36 weeks	57	13	–	–	70
37 weeks	79	28	–	–	107
38 weeks	151	50	1	–	202
39 weeks	224	85	–	–	309
40 weeks	633	226	–	–	859
Over 40 weeks	248	144	–	–	392
Total	**1,471**	**562**	**1**	**–**	**2,034**

Mortality

In 1984 death claimed 7,710 Saskatchewan residents constituting a crude death rate of 7.7 per 1,000 population.

Deaths by occurrence within the province amounted to 7,717. Of this total, 7,554 decedents were residents of Saskatchewan and 163 were non-residents. Deaths of Saskatchewan residents occurring outside the province numbered 156.

Age-Sex Mortality

Age specific death rates generally form the following pattern. Beginning with a high rate for infants, the rate drops to a minimum at the 5 to 14 age group then rises in each subsequent age group.

As in past years, the male death rate (8.9 per 1,000 population) exceeded the female rate (6.4 per 1,000 population) in 1984 (based on Statistics Canada population estimates). The difference in mortality rates between the sexes is more pronounced with the advancement of age.

In 1984, 2.6 per cent of all male deaths occurred in the under 5 age group, 27.0 per cent in the 5 to 64 age groups and 70.4 per cent in the 65 and over age group. Of female deaths, 2.8 per cent occurred in the under 5 age group, 18.2 per cent between the ages of 5 and 64, and 79.0 per cent in the 65 and over group.

Table 17. Age Specific Death Rates (per 1,000 Population), Saskatchewan, 1974-1984*

Year	All ages	Age group					
		Under 5	5-14	15-24	25-44	45-64	65+
1974	8.7	5.2	0.5	1.4	1.8	7.4	55.1
1975	8.5	4.6	0.4	1.4	1.7	7.5	53.0
1976	8.5	3.8	0.4	1.4	1.8	8.0	52.5
1977	8.1	4.0	0.4	1.6	1.6	7.0	50.3
1978	8.2	3.9	0.5	1.3	1.6	7.3	50.2
1979	7.7	3.2	0.4	1.4	1.6	7.1	46.3
1980	7.8	2.9	0.3	1.2	1.4	7.1	47.8
1981	7.8	3.1	0.4	1.2	1.4	7.1	46.1
1982	8.4	2.6	0.3	1.3	1.3	7.7	50.0
1983	7.7	2.5	0.3	1.1	1.3	6.6	45.7
1984	7.7	2.5	0.2	0.9	1.3	6.8	46.0

* *Rates were calculated using Statistics Canada population estimates.*

Standardized (Age Adjusted) Death Rates

Analysis of mortality based on comparisons of crude death rates may prove to be unsatisfactory due to changes in the age composition of the population. A larger older population increases the risk of death, which will be reflected in the crude death rate. This factor may be corrected by determining what the mortality rate would have been had the age composition of the population remained constant over a series of years. Mortality rates are thus "standardized" to an arbitrary standard population, usually to the population in one particular year. The rates in Table 18 are standardized to the 1956 Saskatchewan census population.

Comparing the 1984 Saskatchewan crude death rate of 7.7 to the 1921 death rate of 7.4, there seems to be a deterioration. However, by "standardizing" (i.e. assuming that the age distribution of the population both in 1921 and 1984 was the same as in 1956), the results show a marked improvement since 1921, the standardized death rates being 10.4 in that year and 4.9 in 1984.

Since 1921 the standardized death rate has been decreasing for both sexes. Female rates have decreased more rapidly, however, and over the years the gap between male and female rates has widened. In 1921, the standardized death rate for males was 10.5 per 1,000 population and for females 10.3. The 1984 figures are 6.3 per 1,000 population for males, and 3.7 for females.

Deaths in Hospitals

There were 5,433 deaths in hospitals in 1984 in the province as a whole (70.5 per cent). This is a slightly higher proportion than the 1983 level of 69.8 per cent.

Leading Causes of Death

There is a varying impact of diseases on the different stages of the life span. Diseases peculiar to early infancy, congenital anomalies and pneumonia are main causes of death in infancy, while accidents take the greatest toll in childhood and young adult groups. Heart diseases and cancer become the major causes of death to persons in the middle and older ages.

In 1984, the average life years lost per decedent were 15.81 for males and 15.73 for females.

Heart diseases were the leading cause of death in terms of life years lost, making up 23.3 per cent of the total. They were also highest in actual number of deaths, accounting for over one-third of the total. Malignant neoplasms were the second highest cause of life years lost, and second highest in actual number of deaths. Transport accidents were third highest in terms of life years lost.

Heart Disease

The proportion of older people in the population is increasing rapidly as a result of the lengthening life span. Since heart diseases are associated with the conditions of middle and old age, mortality from heart diseases have become a major cause of death.

Heart diseases accounted for 2,561 deaths in Saskatchewan in 1984 (248.9 per 100,000 population). (Rates referred to in this section were calculated using the SHSP covered population). This is an increase in number and rate from 1983.

Thirty-three per cent of all deaths in the province in 1984 were caused by heart diseases. Ischaemic heart disease was the leading cause of death in the 65 and over age group, and the second leading cause of death in the 45-64 age group, accounting for 28.6 and 24.8 per cent of deaths respectively. Of the total deaths due to heart diseases, 14.2 per cent were to persons in the 45-64 age group and 84.4 per cent in the 65 and over age group. Thus, almost all deaths caused by heart diseases (98.6 per cent) occurred to persons 45 years of age and over.

Ischaemic heart disease accounted for 76.7 per cent of total heart diseases, a rate of 191.0 per 100,000 population. Death rates from chronic rheumatic heart disease, hypertensive disease, and other forms of heart disease were 2.6, 6.5 and 48.8 per 100,000 population, respectively.

The male death rate from heart diseases (291.2) continued to be much higher than the female rate (206.1) with also a large difference in ischaemic heart disease, males (235.3) and females (146.1).

Malignant Neoplasms (Cancer)

As in the case of heart diseases, cancer remains a leading cause of death because of the increase of older persons in the population. This disease was the second leading cause of death in 1984. The proportion (21.9 per cent of total deaths) was slightly lower than in 1983. The number (1,688) and the rate (164.0 per 100,000 population) were lower than in 1983. (Rates referred to in this section were calculated using the SHSP covered population).

Of the total deaths from cancer in Saskatchewan, 27.4 per cent were in the 45-64 age group and 67.2 per cent in the 65 plus group.

There was a decrease in the male cancer mortality rate from 204.8 in 1983 to 191.2 in 1984 and an increase in the female rate from 133.4 in 1983 to 136.6 in 1984. More males die from cancer of trachea, bronchus and lungs, and more females die from breast cancer, than any other form.

Accidents and Violence

There were 479 deaths due to accidents in 1984 compared with 471 in 1983, with the rate per 100,000 population showing an increase to 46.6 in 1984 from 46.4 in 1983. (Rates referred to in this section were calculated using the SHSP covered population). The proportion of accidental deaths to all deaths remained the same, 6.2 per cent in both 1983 and 1984.

Accidents were a leading cause of death in all age groups from 1-64. Transport accidents were the leading cause of death in the age groups 5-14 years, 15-24 years, and 25-34 years.

The male accident rate was much higher than the female rate (63.0 and 29.9 per 100,000 population respectively).

The number of suicides in Saskatchewan in 1984 decreased to 136, giving a rate of 13.2 per 100,000 population.

One-quarter of all suicides in Saskatchewan were in the 15-24 age group; 84.6 per cent of all suicides were men.

Deaths from homicide and legal intervention totalled 30 in Saskatchewan in 1984. Of these victims 24 were males and 6 were females.

Table 18. Standardized* Mortality Rates for Saskatchewan, Decennial Census Years, 1921-84†

Year	Both sexes	Male	Female
1921	10.4	10.5	10.3
1931	10.0	10.0	10.0
1941	9.2	9.6	8.7
1951	7.8	8.4	7.1
1961	6.7	7.8	5.3
1971	5.9	7.3	4.5
1981	5.2	6.6	3.9
1984	4.9	6.3	3.7

* *Standardized to the 1956 Saskatchewan census population.*
† *Source-Statistics Canada.*

Table 19. Deaths by Age and Sex with Rates and Percentages, Saskatchewan, 1984

	Number			Rate per 1,000 population*			Per cent		
Age	Both sexes	Male	Female	Both sexes	Male	Female	Both sexes	Male	Female
Total	7,710	4,488	3,222	7.5	8.7	6.3	100.0	100.0	100.0
<1	169	99	70	10.1	11.6	8.5	2.2	2.2	2.2
1-4	38	18	20	0.5	0.5	0.6	0.5	0.4	0.6
5-9	21	13	8	0.3	0.3	0.2	0.3	0.3	0.2
10-14	18	10	8	0.2	0.2	0.2	0.2	0.2	0.2
15-19	71	57	14	0.8	1.3	0.3	0.9	1.3	0.4
20-24	92	78	14	0.9	1.5	0.3	1.2	1.7	0.4
25-29	90	61	29	1.0	1.3	0.6	1.2	1.4	0.9
30-34	78	53	25	1.0	1.3	0.7	1.0	1.2	0.8
35-39	87	57	30	1.4	1.8	1.0	1.1	1.3	0.9
40-44	105	60	45	2.1	2.4	1.8	1.4	1.3	1.4
45-49	133	84	49	3.0	3.7	2.2	1.7	1.9	1.5
50-54	239	156	83	5.2	6.7	3.6	3.1	3.5	2.6
55-59	362	238	124	7.8	10.3	5.3	4.7	5.3	3.8
60-64	502	346	156	11.0	15.5	6.7	6.5	7.7	4.8
65-69	752	478	274	18.7	24.9	13.0	9.8	10.7	8.5
70-74	904	585	319	27.1	37.7	17.9	11.7	13.0	9.9
75-79	1,072	640	432	44.9	58.8	33.3	13.9	14.3	13.4
80-84	1,085	620	465	72.8	93.8	56.1	14.1	13.8	14.4
85-89	879	392	487	114.6	132.6	103.3	11.4	8.7	15.1
90+	1,013	443	570	223.4	269.6	197.2	13.1	9.9	17.7

* *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1984.*

Table 20. Leading Causes of Death in Each Age Group, Saskatchewan, 1984

Age group and cause of death	Deaths in specified age groups		Deaths at all ages from specified causes	
	Number	Percent	Number	Per cent in specified age group
Under 1 year	169	100.0	–	–
B45 Conditions in perinatal period	62	36.7	63	98.4
B44 Congenital anomalies	51	30.2	75	68.0
B46 Symptoms and ill-defined conditions	20	11.8	63	31.7
B32 Other diseases of respiratory system	12	7.1	738	1.6
Other	24	14.2	–	–
1-4 years	38	100.0	–	–
BE52 Other accidents, late effects	8	21.1	100	8.0
BE47 Transport accidents	7	18.4	247	2.8
B44 Congenital anomalies	7	18.4	75	9.3
B08-B14 Malignant neoplasms	3	7.9	1688	0.2
B32 Other diseases of respiratory system	3	7.9	738	0.4
BE51 Accidents caused by fires/flames	3	7.9	23	13.0
B04 Viral diseases	2	5.3	5	40.0
Other	5	13.2	–	–
5-14 years	39	100.0	–	–
BE47 Transport accidents	18	46.2	247	7.3
BE52 Other accidents, late effects	6	15.4	100	6.0
BE51 Accidents caused by fires/flames	3	7.7	23	13.0
B22 Diseases of the nervous system	3	7.7	132	2.3
B44 Congenital anomalies	2	5.1	75	2.7
B08-B14 Malignant neoplasms	2	5.1	1,688	0.1
Other	5	12.8	–	–
15-24 years	163	100.0	–	–
BE47 Transport accidents	69	42.3	247	27.9
BE54 Suicide and self-inflicted injury	36	22.1	136	26.5
BE52 Other accidents, late effects	17	10.4	100	17.0
B08-B14 Malignant neoplasms	9	5.5	1,688	0.5
Other	32	19.6	–	–
25-34 years	168	100.0	–	–
BE47 Transport accidents	53	31.5	247	21.5
BE54 Suicide and self-inflicted injury	24	14.3	136	17.6
B08-B14 Malignant neoplasms	24	14.3	1,688	1.4
BE52 Other accidents, late effects	13	7.7	100	13.0
BE55 Homicide and intentional injury	10	6.0	28	35.7
Other	44	26.2	–	–
35-44 years	192	100.0	–	–
B08-B14 Malignant neoplasms	52	27.1	1,688	3.1
BE47 Transport accidents	28	14.6	247	11.3
B27 Ischaemic heart disease	20	10.4	1,965	1.0
BE54 Suicide and self-inflicted injury	23	12.0	136	16.9
Other	69	35.9	–	–
45-64 years	1,236	100.0	–	–
B08-B14 Malignant neoplasms	463	37.5	1,688	27.4
B27 Ischaemic heart disease	306	24.8	1,965	15.6
B34 Other parts of digestive system	68	5.5	312	21.8
Other	399	32.3	–	–
65+	5,705	100.0	–	–
B27 Ischaemic heart disease	1,634	28.6	1,965	83.2
B08-B14 Malignant neoplasms	1,135	19.9	1,688	67.2
B32 Other diseases of respiratory system	653	11.4	738	88.5
B29 Cerebrovascular disease	625	11.0	682	91.6
B28 Pulmonary and other heart disease	443	7.8	502	88.2
Other	1,215	21.3	–	–

Table 21. Deaths from Leading Causes by Sex, with Per Cent Distribution and Rates Per 100,000 Population, Saskatchewan, 1983 and 1984

Causes of death ("B" List—9th Revision)	Number		Per cent		Rate†	
	1983	1984	1983	1984	1983	1984
	Both sexes					
All causes of death	7,611	7,710	100.0	100.0	750.2	749.3
B27 Ischaemic heart disease	1,904	1,965	25.0	25.5	187.7	191.0
B08-B14 Malignant neoplasms	1,717	1,688	22.6	21.9	169.2	164.0
B32 Other diseases of respiratory system	718	738	9.4	9.6	70.8	71.7
B29 Cerebrovascular disease	660	682	8.7	8.8	65.1	66.3
B28 Pulmonary and other heart disease	510	502	6.7	6.5	50.3	48.8
B34 Other parts of digestive system	308	312	4.0	4.0	30.4	30.3
B30 Other diseases of circulatory system	257	248	3.4	3.2	25.3	24.1
BE47 Transport accidents	242	247	3.2	3.2	23.9	24.0
B18 Endocrine and metabolic diseases	173	142	2.3	1.8	17.1	13.8
B25 Diseases of urinary system	**	139	**	1.8	**	13.8
BE54 Suicide and self-inflicted injury	148	*	1.9	*	14.6	*
	Male					
All causes of death	4,455	4,488	100.0	100.0	873.8	867.9
B27 Ischaemic heart disease	1,161	1,217	26.1	27.1	227.7	235.3
B08-B14 Malignant neoplasms	1,044	989	23.4	22.0	204.8	191.2
B32 Other diseases of respiratory system	449	464	10.1	10.3	88.1	89.7
B29 Cerebrovascular disease	287	328	6.4	7.3	56.3	63.4
B28 Pulmonary and other heart disease	262	257	5.9	5.7	51.4	49.7
BE47 Transport accidents	184	181	4.1	4.0	36.1	35.0
B34 Other parts of digestive system	180	154	4.0	3.4	35.3	29.8
B30 Other diseases of circulatory system	136	142	3.1	3.2	26.7	27.5
BE54 Suicide and self-inflicted injury	122	115	2.7	2.6	23.9	22.2
BE52 Other accidents, late effects	83	*	1.9	*	16.3	*
B35 Diseases of urinary system	**	78	**	1.7	**	15.1
	Female					
All causes of death	3,156	3,222	100.0	100.0	625.4	629.5
B08-B14 Malignant neoplasms	673	699	21.3	21.7	133.4	136.6
B27 Ischaemic heart disease	743	748	23.5	23.2	147.2	146.1
B29 Cerebrovascular disease	373	354	11.8	11.0	73.9	69.2
B32 Other diseases of respiratory system	269	274	8.5	8.5	53.3	53.5
B28 Pulmonary and other heart disease	248	245	7.9	7.6	49.1	47.9
B34 Other parts of digestive system	128	158	4.1	4.9	25.4	30.9
B30 Other diseases of circulatory system	121	106	3.8	3.3	24.0	20.7
B18 Endocrine and metabolic diseases	90	77	2.9	2.4	17.8	15.0
BE47 Transport accidents	58	66	1.8	2.0	11.5	12.9
B35 Diseases of urinary system	53	61	1.7	1.9	10.5	11.9

† *Rates were calculated using the Saskatchewan Hospital Services Plan Covered Population as of June 30, 1983 and 1984.*

* *Not one of the ten leading causes of death in 1984.*

** *Not one of the ten leading causes of death in 1983.*

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1984

Cause of death ("B" List-9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedent	
	Number			Per cent					
	Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
1 Intestinal infectious diseases	95.53	9.32	86.21	9.76	90.24	89.70	42.50	4.66	43.10
2 Tuberculosis	128.68	78.18	50.50	60.76	39.24	69.94	60.00	15.64	25.25
3 Other bacterial diseases	400.24	177.69	222.55	44.40	55.60	66.70	59.98	17.77	27.82
4 Viral diseases	199.14	122.67	76.47	61.60	38.40	50.00	4.50	30.67	76.47
7 Other infectious, parasitic diseases	272.49	133.34	139.15	48.93	51.07	52.50	56.50	26.67	27.83
8 Malignant neoplasm of lip, oral cavity, pharynx	267.62	184.44	83.18	68.92	31.08	71.19	75.80	13.17	13.86
9 Malignant neoplasm of digestive organs, peritoneum	7,003.15	3,533.46	3,469.69	50.46	49.54	70.98	71.61	13.28	16.14
10 Malignant neoplasm of respiratory and related organs	5,959.79	4,011.48	1,948.31	67.31	32.69	69.59	67.33	13.64	18.92
11 Malignant neoplasm of bone, skin, breast	3,329.10	451.20	2,877.90	13.55	86.45	65.45	65.32	18.05	20.85
12 Malignant neoplasm of genitourinary organs	4,251.67	2,275.21	1,976.46	53.51	46.49	75.49	69.74	10.39	17.65
13 Malignant neoplasm of other and unspecified sites	2,797.78	1,339.79	1,457.99	47.89	52.11	64.25	62.77	17.86	23.14
14 Malignant neoplasm of lymph and haemopoietic tissue	2,942.14	1,639.64	1,302.50	55.73	44.27	66.62	65.77	17.08	21.01
15 Benign neoplasm	149.86	56.99	92.87	38.03	61.97	72.50	61.25	11.40	23.22
17 Other and unspecified neoplasm	165.21	60.01	105.20	36.32	63.68	71.50	62.10	12.00	26.30
18 Endocrine and metabolic diseases	2,109.54	936.43	1,173.11	44.39	55.61	71.35	74.03	14.41	15.24
19 Nutritional deficiencies	99.28	50.10	49.18	50.46	49.54	81.70	81.46	7.16	9.84
20 Diseases of blood and blood-forming organs	540.86	181.97	358.89	33.64	66.36	73.36	67.46	13.00	21.11
21 Mental disorders	670.23	259.79	410.44	38.76	61.24	73.88	75.65	12.99	14.15
22 Diseases of the nervous system	2,355.64	1,341.46	1,014.18	56.95	43.05	66.52	70.09	17.42	18.44
23 Disorders of eye and adnexa	4.66	4.66	0.00	100.00	0.00	89.70	–	4.66	–
25 Rheumatic fever/heart disease	361.87	114.03	247.84	31.51	68.49	70.83	75.39	12.67	13.77
26 Hypertensive disease	688.38	215.34	473.04	31.28	68.72	78.07	80.69	9.36	10.75
27 Ischaemic heart disease	22,257.91	14,499.40	7,758.51	65.14	34.86	73.30	80.29	11.91	10.37
28 Pulmonary and other heart disease	5,035.78	2,668.55	2,367.23	52.99	47.01	76.79	82.19	10.38	9.66
29 Cerebrovascular disease	6,709.75	3,083.86	3,625.89	45.96	54.04	78.37	81.13	9.40	10.24
30 Other diseases of the circulatory system	2,235.03	1,254.96	980.07	56.15	43.85	79.33	82.71	8.84	9.25
31 Diseases of the upper respiratory tract	52.96	6.27	46.69	11.84	88.16	82.50	75.77	6.27	15.56

Table 22. Life Years Lost* and Average Age of Decedents by Cause of Death, Saskatchewan, 1984 (Continued)

	Cause of death ("B" List-9th Revision)	Total life years lost					Average age of decedents		Life years lost per decedents	
		Number			Per cent					
		Both sexes	Male	Female	Male	Female	Male	Female	Male	Female
	32 Other diseases of the respiratory system	8,217.40	5,083.99	3,133.41	61.87	38.13	76.49	79.88	10.96	11.44
	34 Other parts of digestive system	4,495.57	2,082.35	2,413.22	46.32	53.68	71.28	74.52	13.52	15.27
	35 Diseases of urinary system	1,343.59	694.50	649.09	51.69	48.31	79.51	79.92	8.90	10.64
	36 Diseases of male genital organs	48.01	48.01	0.00	100.00	0.00	71.25	–	12.00	–
	37 Diseases of female genital organs	36.49	0.00	36.49	0.00	100.00	–	75.83	–	12.16
	39 Direct obstetric causes	58.91	0.00	58.91	0.00	100.00	–	22.50	–	58.91
	42 Diseases of skin	83.90	28.98	54.92	34.54	65.46	75.83	75.60	9.66	13.73
	43 Musculoskeletal and connective tissue	525.73	239.33	287.40	45.44	54.56	73.69	71.16	11.97	16.91
	44 Congenital anomalies	4,830.00	2,426.65	2,403.35	50.24	49.76	10.20	16.78	63.86	64.96
	45 Conditions in perinatal period	4,742.56	2,752.31	1,990.25	58.03	41.97	0.15	0.11	72.43	79.61
	46 Symptoms and ill-defined conditions	1,972.56	1,093.79	878.77	55.45	44.55	46.73	62.63	35.28	27.46
E	47 Transport accidents	10,697.58	7,582.82	3,114.76	70.88	29.12	34.82	35.72	41.89	47.19
E	48 Accidental poisoning	843.69	532.16	311.53	63.08	36.92	44.06	37.67	33.26	44.50
E	49 Misadventures during medical care	159.72	70.74	88.98	44.29	55.71	62.50	54.17	17.68	29.66
E	50 Accidental falls	845.62	424.39	421.23	50.19	49.81	74.45	81.98	12.86	9.80
E	51 Accidents caused by fires and flames	980.57	742.28	238.29	75.70	24.30	34.28	43.33	43.66	39.71
E	52 Other accidents, late effects	3,886.92	2,912.08	974.84	74.92	25.08	38.53	47.06	39.35	37.49
E	53 Effects of drugs and medication	46.18	6.27	39.91	13.58	86.42	82.50	65.00	6.27	19.95
E	54 Suicide and self-inflicted injury	5,085.47	4,340.64	744.83	85.35	14.65	39.54	48.68	37.74	35.47
E	55 Homicide and intentional injury	1,147.86	840.09	307.77	73.19	26.81	39.09	30.44	38.19	51.29
E	56 Other violence	473.83	344.77	129.06	72.76	27.24	39.17	51.25	38.31	32.26
Total		121,607.45	70,936.39	50,671.06	58.33	41.67	68.84	73.71	15.81	15.73

* Based on "Life Tables, Canada and the Provinces, 1980-1982", prepared by Statistics Canada, Ottawa, Ontario, June, 1984.

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1984

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
All causes		7,710	749.3	4,488	3,222
A 2	Shigellosis	1	0.1	–	1
A 3	Other salmonella infections, food poisoning	1	0.1	–	1
A 5	Intestinal infections, specified	2	0.2	2	–
A 7	Tuberculosis of respiratory system	7	0.7	5	2
A 13	Meningococcal infection	2	0.2	1	1
A 15	Septicemia	14	1.4	9	5
A 16	All other bacterial diseases	2	0.2	–	2
A 22	Viral hepatitis	3	0.3	3	–
A 23	Other viral diseases	2	0.2	1	1
A 32	Mycoses	4	0.4	1	3
A 35	Late effects acute poliomyelitis	1	0.1	–	1
A 36	All other infectious, parasitic diseases and their late effects	5	0.5	4	1
A 38	Malignant neoplasm of tongue	8	0.8	4	4
A 39	Malignant neoplasm of pharynx	7	0.7	5	2
A 40	Malignant neoplasms of other and ill-defined sites within the lip, oral cavity, and pharynx	5	0.5	5	–
A 41	Malignant neoplasm of esophagus	35	3.4	24	11
A 42	Malignant neoplasm of stomach	73	7.1	49	24
A 43	Malignant neoplasm of small intestine, inc. duod.	3	0.3	1	2
A 44	Malignant neoplasms of hepatic and splenic flexures and transverse colon	6	0.6	1	5
A 45	Malignant neoplasm of descending colon	1	0.1	–	1
A 46	Malignant neoplasm of signoid colon	26	2.5	10	16
A 47	Malignant neoplasms of caecum, appendix, and ascending colon	25	2.4	11	14
A 48	Malignant neoplasms other and colon, unspecified	75	7.3	49	26
A 49	Malignant neoplasms of rectum, rectosignoid junction and anus	64	6.2	33	31
A 50	Malignant neoplasms of liver, primary	4	0.4	2	2
A 52	Malignant neoplasm of liver, not specified as primary or secondary	25	2.4	12	13
A 53	Malignant neoplasms of gallbladder and extrahepatic bile ducts	29	2.8	9	20
A 54	Malignant neoplasms of pancreas	88	8.6	53	35
A 55	Malignant neoplasms of retroperitoneum, peritoneum and other ill-defined sites	27	2.6	12	15
A 56	Malignant neoplasm of larynx	17	1.7	11	6
A 57	Malignant neoplasms of trachea, bronchus, and lung	378	36.7	281	97
A 58	Malignant neoplasms of all other and ill-defined sites within respiratory system	2	0.2	2	–
A 59	Malignant neoplasms of bone and articular cartilage	2	0.2	1	1
A 60	Malignant neoplasms of connective and other soft tissue	8	0.8	5	3
A 61	Melanoma of skin	20	1.9	12	8
A 62	Other malignant neoplasms of skin	8	0.8	7	1
A 63	Malignant neoplasm of female breast	125	12.1	–	125
A 65	Malignant neoplasm of cervix uteri	7	0.7	–	7
A 66	Malignant neoplasms of other parts of uterus	27	2.6	–	27
A 67	Malignant neoplasms of ovary and other uterine adnexa	49	4.8	–	49
A 68	Malignant neoplasms of other and unspecified female genital organs	5	0.5	–	5
A 69	Malignant neoplasm of prostate	147	14.3	147	–

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
140	106	135	28	231	129	824	412	1,063	593	2,095	1,954	—
—	1	—	—	—	—	—	—	—	—	—	—	A 2
—	—	—	—	—	—	—	—	—	—	—	1	A 3
—	—	—	—	—	—	—	—	—	—	2	—	A 5
1	1	—	—	1	1	1	—	—	—	3	1	A 7
—	—	—	—	—	—	—	—	—	—	—	—	A 13
—	—	—	—	—	2	2	1	2	—	5	2	A 15
1	—	—	—	1	—	—	—	—	—	—	2	A 16
—	1	—	—	—	—	—	—	—	—	1	—	A 22
—	—	—	1	—	—	—	1	1	1	1	—	A 23
—	—	—	—	—	—	—	1	—	—	—	—	A 32
—	—	1	—	—	—	2	—	1	1	—	—	A 35
—	—	—	—	—	—	2	1	1	—	1	3	A 36
—	—	—	—	—	—	1	—	1	1	3	1	A 38
—	—	—	—	—	—	3	—	1	—	1	—	A 39
—	—	—	—	1	—	8	2	6	2	9	7	A 40
—	—	—	—	1	1	14	3	13	5	21	15	A 41
—	—	—	—	—	—	1	—	—	1	—	1	A 42
—	—	—	—	—	—	—	2	1	1	—	2	A 43
—	—	—	—	—	—	—	—	—	—	—	1	A 44
—	—	—	—	—	—	3	6	3	2	4	8	A 45
—	—	—	—	1	—	3	2	3	3	4	9	A 46
—	—	—	1	3	4	13	7	10	4	23	10	A 47
—	—	—	—	—	2	9	13	7	5	17	11	A 48
—	—	—	—	—	—	1	—	—	—	1	2	A 49
—	—	—	—	2	2	1	1	2	5	7	5	A 50
—	—	—	—	—	1	5	2	2	3	2	14	A 52
—	—	—	—	—	1	18	8	17	9	18	17	A 53
—	—	—	—	—	1	3	2	4	7	5	5	A 54
—	—	—	—	—	—	3	3	2	2	6	1	A 55
—	—	—	—	3	5	90	28	108	36	80	28	A 56
—	—	—	—	—	—	2	—	—	—	—	—	A 57
—	—	—	—	—	1	—	—	1	—	—	—	A 58
—	—	—	—	—	—	2	—	1	2	2	1	A 59
—	—	2	—	1	—	5	6	3	1	1	1	A 60
—	—	—	—	—	—	1	—	—	1	6	—	A 61
—	—	—	—	—	10	—	48	—	35	—	32	A 62
—	—	—	—	—	3	—	1	—	1	—	2	A 63
—	—	—	—	—	—	—	3	—	13	—	11	A 65
—	—	—	—	—	5	—	18	—	16	—	10	A 66
—	—	—	—	—	—	—	1	—	2	—	2	A 67
—	—	—	—	—	—	9	—	52	—	86	—	A 68
												A 69

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1984 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
A 71	Penis and other male genital organs	2	0.2	2	–
A 72	Malignant neoplasm of bladder	46	4.5	38	8
A 73	Malignant neoplasm of kidney and other unspecified urinary organs	48	4.7	32	16
A 74	Malignant neoplasm of eye	1	0.1	1	–
A 75	Malignant neoplasm of brain	42	4.1	20	22
A 76	Malignant neoplasms of other and unspecified parts of nervous system	2	0.2	2	–
A 77	Malignant neoplasms of thyroid gland and other endocrine glands and related structures	5	0.5	3	2
A 78	Malignant neoplasms of all other and unspecified sites	88	8.6	49	39
A 79	Lymphosarcoma and reticulosarcoma	15	1.5	11	4
A 80	Hodgkins disease	6	0.6	6	–
A 81	Other malignant neoplasms of lymphoid and histiocytic tissue	36	3.5	23	13
A 82	Multiple myeloma and innumoproliferative neoplasms	28	2.7	13	15
A 83	Lymphoid leukemia	18	1.7	9	9
A 84	Myeloid leukemia	25	2.4	17	8
A 85	Monocytic leukemia	5	0.5	1	4
A 86	Other and unspecified leukemia	25	2.4	16	9
A 88	Malignant neoplasm of eye, brain, nervous system	5	0.5	3	2
A 89	All other and unspecified sites	4	0.4	2	2
A 92	Neoplasms of uncertain behavior	5	0.5	3	2
A 93	Neoplasms of unspecified nature	4	0.4	2	2
A 94	Disorders of thyroid gland	3	0.3	1	2
A 95	Diabetes mellitus	111	10.8	52	59
A 98	Disorders of adrenal glands	2	0.2	1	1
A 99	Cystic fibrosis	2	0.2	1	1
A 100	Obesity	5	0.5	2	3
A 101	All other indocrine and metabolic diseases and immunity disorders	19	1.8	8	11
A 102	Nutritional marasmus	5	0.5	3	2
A 103	Other protein-calorie malnutrition	7	0.7	4	3
A 105	Deficienct anemias	3	0.3	2	1
A 106	Hemolytic anemias	1	0.1	–	1
A 107	Aplastic anemia	6	0.6	1	5
A 108	Other and unspecified anemias	12	1.2	6	6
A 110	All other diseases of blood and blood-forming organs	9	0.9	5	4
A 111	Senile and presenile organic psychotic conditions	17	1.7	7	10
A 113	All other psychoses	5	0.5	2	3
A 114	Alcohol dependence syndrome	12	1.2	6	6
A 116	Other neurotic, personality, and nonpsychotic mental disorders	15	1.5	5	10
A 118	Meningitis	4	0.4	1	3
A 119	Parkinsons disease	22	2.1	12	10
A 120	Other hereditary and degenerative diseases of the central nervous system	57	5.5	30	27
A 121	Multiple sclerosis	9	0.9	6	3
A 123	Epilepsy	13	1.3	10	3
A 124	Other disorders of nervous system	27	2.6	18	9
A 125	Disorders of eye and adnexa	1	0.1	1	–
A 128	Diseases of mitral valve	17	1.7	8	9

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	–	1	–	1	–	–	–	A 71
–	–	–	–	–	–	8	2	9	–	21	6	A 72
–	–	–	–	1	–	8	4	18	4	5	8	A 73
–	–	–	–	–	–	1	–	–	–	–	–	A 74
1	–	–	1	3	5	7	7	7	5	2	4	A 75
–	–	–	–	–	–	1	–	–	–	1	–	A 76
–	2	–	–	–	–	–	–	–	–	3	–	A 77
–	–	–	–	3	2	15	11	13	16	18	10	A 78
–	–	–	–	–	1	8	3	2	–	1	–	A 79
–	–	2	–	3	–	1	–	–	–	–	–	A 80
–	–	1	–	–	1	8	2	5	6	9	4	A 81
–	–	–	–	–	1	1	5	6	1	6	8	A 82
–	1	1	–	–	2	3	–	2	1	3	5	A 83
–	–	–	1	3	2	4	2	2	2	8	1	A 84
–	–	–	–	–	1	1	2	–	–	–	1	A 85
1	–	–	–	–	–	1	3	5	2	9	4	A 86
–	–	–	–	–	–	–	2	1	–	2	–	A 88
–	–	–	–	–	–	1	1	1	1	–	–	A 89
–	–	–	–	–	–	1	–	1	–	1	2	A 92
–	1	–	–	–	–	–	–	1	1	1	–	A 93
–	–	–	–	–	–	–	1	–	–	1	1	A 94
–	–	1	–	4	1	6	8	12	13	29	37	A 95
–	–	–	–	–	–	1	–	–	1	–	–	A 98
–	–	1	1	–	–	–	–	–	–	–	–	A 99
–	–	–	–	–	–	1	2	1	1	–	–	A 100
1	2	–	–	–	–	2	1	1	2	4	6	A 101
–	–	–	–	–	–	–	–	1	–	2	2	A 102
–	–	–	–	–	–	–	1	–	–	4	2	A 103
–	–	–	–	–	–	–	–	1	–	1	1	A 105
–	1	–	–	–	–	–	–	–	–	–	–	A 106
–	–	–	–	–	1	–	–	–	1	1	3	A 107
–	–	–	–	–	1	1	1	1	–	4	4	A 108
1	–	–	–	–	–	–	3	1	–	3	1	A 110
–	–	–	–	–	–	–	1	–	–	7	9	A 111
–	–	–	–	–	–	–	–	1	1	1	2	A 113
–	–	–	–	1	1	4	4	–	1	1	–	A 114
–	–	–	–	–	–	1	1	1	2	3	7	A 116
1	1	–	–	–	–	–	1	–	–	–	1	A 118
–	–	–	–	–	–	–	–	5	3	7	7	A 119
–	2	–	–	1	1	4	3	9	4	16	17	A 120
–	–	–	–	2	1	2	1	–	1	2	–	A 121
–	–	–	–	4	1	3	1	–	–	3	1	A 123
3	1	–	–	2	–	2	1	2	1	9	6	A 124
–	–	–	–	–	–	–	–	–	–	1	–	A 125
–	–	–	–	–	–	1	1	4	2	3	6	A 128

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1984 (Continued)

	Cause of death	All ages			
		Both sexes			
		Number	Rate	Male	Female
A 130	Diseases of mitral and aortic valves	3	0.3	1	2
A 131	All other chronic rheumatic heart disease	7	0.7	–	7
A 132	Essential hypertension	13	1.3	3	10
A 133	Hypertensive heart disease	26	2.5	12	14
A 134	Hypertensive renal disease	25	2.4	8	17
A 135	Hypertensive heart and renal diseases	3	0.3	–	3
A 136	Acute myocardial infarction	1,253	121.8	821	432
A 137	Ischaemic heart disease	10	1.0	7	3
A 138	Angina pectoris	3	0.3	1	2
A 139	All other forms of chronic ischaemic heart disease	699	67.9	388	311
A 140	Diseases of pulmonary circulation	64	6.2	35	29
A 141	Acute and subacute endocarditis	1	0.1	–	1
A 142	Acute pericarditis, acute myocarditis, and other diseases of pericardium	2	0.2	1	1
A 143	Mitral valve disorders	9	0.9	3	6
A 144	Aortic valve disorders	34	3.3	25	9
A 145	Other diseases of endocardium	1	0.1	1	–
A 146	Heart failure	204	19.8	85	119
A 147	Myocarditis, unspecified and myocardial degeneration	16	1.6	8	8
A 148	All other and ill-defined forms of heart disease	171	16.6	99	72
A 149	Subarachnoid hemorrhage	39	3.8	14	25
A 150	Intracerebral and other intracranial haemorrhage	82	8.0	36	46
A 151	Occlusion and stenosis of precerebral arteries	6	0.6	4	2
A 152	Cerebral thrombosis and unspecified occlusion of cerebral arteries	90	8.7	42	48
A 153	Cerebral embolism	6	0.6	4	2
A 154	Acute but ill-defined cerebrovascular disease	378	36.7	180	196
A 155	Other and late effects of cerebrovascular diseases	81	7.9	48	33
A 156	Atherosclerosis	114	11.1	57	57
A 157	Aortic aneurysm	72	7.0	51	21
A 158	All other diseases of arteries, arterioles, and capillaries	30	2.9	17	13
A 159	Phlebitis, thrombophlebitis, and venous embolism and thrombosis	22	2.1	10	12
A 160	All other diseases of veins and lymphatics, and other diseases of circulatory system	10	1.0	7	3
A 161	Acute upper respiratory infections	2	0.2	–	2
A 162	Other diseases of upper respiratory	2	0.2	1	1
A 163	Acute bronchitis, bronchiolitis	5	0.5	3	2
A 164	Viral pneumonia	4	0.4	3	1
A 165	Pneumococcal and other bacterial pneumonia	12	1.2	7	5
A 166	Bronchopneumonia, organism unspecified	160	15.5	94	66
A 167	Pneumonia due to other and unspecified organism	201	19.5	112	89
A 168	Influenza	22	2.1	9	13
A 169	Bronchitis, not specified as acute or chronic	9	0.9	6	3
A 170	Chronic bronchitis	24	2.3	22	2
A 171	Emphysema	43	4.2	36	7
A 172	Asthma	32	3.1	9	23
A 173	Bronchiectasis and extrinsic allergic alveolitis	3	0.3	1	2
A 174	Chronic airways obstruction, not elsewhere classified	151	14.7	122	29
A 175	Pneumoconioses and other lung disease due to external agents	7	0.7	3	4
A 176	Empyema and abscess of lung	5	0.5	4	1

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	–	–	–	1	–	–	1	1	–	–	A 130
–	–	–	–	–	–	–	1	–	3	–	3	A 131
–	–	–	–	–	–	–	1	1	1	2	8	A 132
–	–	–	–	–	–	2	–	2	2	8	12	A 133
–	–	–	–	–	2	1	–	2	1	5	14	A 134
–	–	–	–	–	–	–	–	–	–	–	3	A 135
–	–	–	–	18	1	191	41	252	109	360	281	A 136
–	–	–	–	–	–	1	1	3	1	3	1	A 137
–	–	–	–	–	–	–	–	–	–	1	2	A 138
–	–	–	–	6	–	61	11	106	38	215	262	A 139
–	–	–	1	–	–	7	3	8	6	20	19	A 140
–	–	–	–	–	–	–	1	–	–	–	–	A 141
–	–	–	–	–	–	1	–	–	1	–	–	A 142
–	–	–	–	–	–	–	3	2	–	1	3	A 143
–	–	–	–	–	–	5	1	8	3	12	5	A 144
–	–	–	–	–	–	–	–	–	–	1	–	A 145
1	–	–	–	–	–	1	4	10	8	73	107	A 146
–	–	–	–	1	–	1	–	1	–	5	8	A 147
1	–	–	1	4	–	18	5	20	11	56	55	A 148
–	–	2	–	3	6	4	5	4	10	1	4	A 149
1	–	–	–	–	2	9	5	9	8	17	31	A 150
–	–	–	–	–	–	4	–	–	1	–	1	A 151
–	–	–	–	–	–	–	1	11	7	31	40	A 152
–	–	–	–	–	–	–	–	2	–	2	2	A 153
–	–	–	–	–	–	6	4	36	22	136	172	A 154
–	–	–	–	–	–	3	–	8	5	37	28	A 155
–	–	–	–	–	–	4	–	7	3	46	54	A 156
–	–	–	–	–	–	4	1	22	9	25	11	A 157
–	–	–	–	1	–	2	–	1	5	13	8	A 158
–	–	–	–	–	–	1	–	3	5	6	7	A 159
–	–	–	–	–	1	–	–	3	1	4	1	A 160
–	–	–	–	–	–	–	–	–	–	–	2	A 161
–	–	–	–	–	–	–	1	–	–	1	–	A 162
2	–	–	–	–	–	–	–	1	–	–	2	A 163
–	–	–	–	–	–	–	–	–	–	3	1	A 164
–	–	–	–	–	–	1	–	1	1	5	4	A 165
4	–	–	–	1	1	6	4	9	5	74	56	A 166
3	1	–	–	2	1	6	3	19	6	82	78	A 167
–	1	–	–	–	–	–	–	1	1	8	11	A 168
–	–	–	–	–	–	–	–	1	–	5	3	A 169
–	–	–	–	–	–	4	–	7	–	11	2	A 170
–	–	–	–	–	–	3	–	13	4	20	3	A 171
1	–	–	2	1	–	1	4	2	8	4	9	A 172
–	–	–	–	–	1	–	1	–	–	1	–	A 173
–	–	–	–	1	–	10	4	34	11	77	14	A 174
–	–	–	–	–	1	–	–	1	2	2	1	A 175
–	–	–	–	–	–	1	–	2	–	1	1	A 176

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1984 (Continued)

Cause of death		All ages			
		Both sexes			
		Number	Rate	Male	Female
A 177	Pleurisy	4	0.4	2	2
A 178	All other diseases of respiratory system	56	5.4	31	25
A 180	Gastric ulcer	19	1.8	10	9
A 181	Duodenal ulcer	17	1.7	9	8
A 182	Peptic ulcer, site unspecified	4	0.4	2	2
A 183	Gastritis and duodenitis	6	0.6	2	4
A 184	Appendicitis	2	0.2	–	2
A 185	Hernia of abdominal cavity and intestinal obstruction without mention of hernia	32	3.1	13	19
A 186	Regional enteritis and idiopathic proctocolitis	3	0.3	3	–
A 187	Gastroenteritis and colitis	44	4.3	11	33
A 188	Diverticular of intestine	8	0.8	1	7
A 189	Chronic liver disease and cirrhosis, specified as alcoholic	42	4.1	28	14
A 190	Chronic hepatitis and biliary cirrhosis	4	0.4	2	2
A 191	Other, chronic liver disease and cirrhosis without mention of alcohol	44	4.3	32	12
A 192	Cholelithiasis and other disorders of gallbladder	17	1.7	10	7
A 193	All other diseases of digestive system	70	6.8	31	39
A 194	Acute glomerulonephritis	2	0.2	2	–
A 195	Nephrotic syndrome	1	0.1	1	–
A 196	Chronic glomerulonephritis, nephritis, nephropathy, and renal sclerosis unspecified	6	0.6	4	2
A 197	Renal failure and other disorders resulting from impaired function	92	8.9	50	42
A 198	Infections of kidney	20	1.9	9	11
A 199	Urinary calculus	1	0.1	–	1
A 200	Other diseases of urinary system	17	1.7	12	5
A 201	Hyperplasia of prostate	4	0.4	4	–
A 204	Other diseases of female genital organs	3	0.3	–	3
A 214	Direct obstetric causes	1	0.1	–	1
A 217	Infections of skin and subcutaneous tissue	1	0.1	–	1
A 218	Other diseases of skin and subcutaneous tissue	6	0.6	3	3
A 219	Rheumatoid arthritis and other inflammatory polyarthropathies	12	1.2	3	9
A 220	Arthropathies and related disorders	13	1.3	7	6
A 221	Dorsopathies	2	0.2	2	–
A 222	Rheumatism, excluding the back	2	0.2	2	–
A 223	Ostheopathies, chondropathies, and acquired musculoskeletal deformities	8	0.8	6	2
A 224	Spina bifida	4	0.4	2	2
A 225	All other congenital anomalies of nervous system	5	0.5	2	3
A 226	Congenital anomalies of heart	24	2.3	13	11
A 227	Other congenital anomalies of circulatory system	4	0.4	2	2
A 228	All other congenital anomalies	38	3.7	19	19
A 229	Birth trauma	3	0.3	–	3
A 230	Intrauterine hypoxia, birth asphyxia, and respiratory distress syndrome	27	2.6	17	10
A 231	Other conditions originating in the perinatal period	33	3.2	21	12
A 232	Senility without mention of psychosis	19	1.8	3	16
A 233	Symptoms, signs and other ill-defined conditions	44	4.3	28	16
AE 234	Railway accidents	3	0.3	3	–

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
–	–	1	–	–	–	–	–	–	–	1	2	A 177
3	1	–	–	1	1	5	2	8	4	14	17	A 178
–	–	–	–	–	–	2	2	3	–	5	7	A 180
–	–	–	–	–	–	1	1	3	–	5	7	A 181
–	–	–	–	–	–	–	–	1	–	1	2	A 182
–	–	–	–	–	–	1	–	–	–	1	4	A 183
–	–	–	–	–	–	–	–	–	–	–	2	A 184
–	–	–	1	–	2	1	–	2	4	10	12	A 185
–	–	–	–	1	–	1	–	1	–	–	–	A 186
1	2	–	–	–	–	1	–	2	5	7	26	A 187
–	–	–	–	–	–	–	–	–	1	1	6	A 188
–	–	–	–	2	1	14	12	5	1	7	–	A 189
–	–	–	–	–	1	1	1	1	–	–	–	A 190
–	–	–	–	1	4	15	2	7	3	9	3	A 191
–	–	–	–	–	–	2	–	2	1	6	6	A 192
–	1	–	–	–	1	5	6	7	6	19	25	A 193
–	–	1	–	–	–	–	–	1	–	–	–	A 194
–	–	–	–	–	–	–	–	–	–	1	–	A 195
–	–	–	–	–	–	2	–	–	1	2	1	A 196
–	–	–	–	–	–	5	7	8	3	37	32	A 197
–	–	–	–	–	–	–	–	1	3	8	8	A 198
–	–	–	–	–	–	–	–	–	1	–	–	A 199
–	–	–	–	–	–	1	–	–	1	11	4	A 200
–	–	–	–	–	–	–	–	3	–	1	–	A 201
–	–	–	–	–	–	–	–	–	1	–	2	A 204
–	–	–	1	–	–	–	–	–	–	–	–	A 214
–	–	–	–	–	–	–	–	–	–	–	1	A 217
–	–	–	–	–	–	–	1	1	–	2	2	A 218
–	–	–	–	–	–	–	–	1	3	2	6	A 219
–	–	–	–	–	2	1	–	–	1	6	3	A 220
–	–	–	–	–	–	–	–	1	–	1	–	A 221
–	–	–	–	–	–	1	–	–	–	1	–	A 222
–	–	–	–	1	1	1	–	2	–	2	1	A 223
1	2	–	–	–	–	1	–	–	–	–	–	A 224
2	3	–	–	–	–	–	–	–	–	–	–	A 225
12	7	–	–	–	–	–	1	1	1	–	2	A 226
2	1	–	–	–	1	–	–	–	–	–	–	A 227
15	15	–	–	1	–	1	2	–	1	2	1	A 228
–	3	–	–	–	–	–	–	–	–	–	–	A 229
17	10	–	–	–	–	–	–	–	–	–	–	A 230
21	12	–	–	–	–	–	–	–	–	–	–	A 231
–	–	–	–	–	–	–	–	–	–	3	16	A 232
12	8	–	–	2	2	2	–	3	–	9	6	A 233
1	–	–	–	1	–	–	–	1	–	–	–	AE 234

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1984 (Continued)

Cause of death		All ages			
		Both sexes			
		Number	Rate	Male	Female
AE 235	Involving collision with train	8	0.8	8	—
AE 236	Involving collision with another motor vehicle	86	8.4	61	25
AE 237	Involving collision with pedestrian	34	3.3	21	13
AE 238	Involving collision with other vehicle or object	6	0.6	4	2
AE 239	Not involving collision on highway	71	6.9	51	20
AE 240	Motor vehicle traffic accident of unspecified nature	17	1.7	13	4
AE 241	Motor vehicle nontraffic accident	9	0.9	7	2
AE 242	Other road vehicle accidents	1	0.1	1	—
AE 243	Water transport accidents	7	0.7	7	—
AE 244	Air and space transport accidents	5	0.5	5	—
AE 246	Accidental poisoning by drugs, medicaments, and biologicals	14	1.4	10	4
AE 247	Accidental poisoning by other solid or liquid substances	4	0.4	3	1
AE 248	Accidental poisoning by gases and vapors	5	0.5	3	2
AE 249	Misadventures during medical care	7	0.7	4	3
AE 250	Fall from one level to another	25	2.4	12	13
AE 251	Fall on same level	7	0.7	3	4
AE 252	Fracture, cause unspecified, and other and unspecified falls	44	4.3	18	26
AE 253	Accidents caused by fires and flames	23	2.2	17	6
AE 255	Accidental drowning and submersion	16	1.6	13	3
AE 256	Suffocation caused by inhalation or ingestion of food or other object	19	1.8	13	6
AE 258	Accidents caused by all other and unspecified firearms	4	0.4	4	—
AE 259	Accident caused by explosive material	1	0.1	1	—
AE 260	Accident caused by hot substances and radiation	1	0.1	1	—
AE 261	Accident caused by electric current	4	0.4	3	1
AE 262	All other accidents and late effects of accidental injury	55	5.3	39	16
AE 263	Drugs causing adverse effects	3	0.3	1	2
AE 264	Suicide by drugs, medicaments and biologicals in therapeutic use	19	1.8	9	10
AE 265	Suicide by other solid or liquid substances	1	0.1	1	—
AE 266	Suicide by gases and vapors	24	2.3	20	4
AE 267	Suicide by hanging, strangulation and suffocation	31	3.0	28	3
AE 268	Suicide by handgun	1	0.1	1	—
AE 269	Suicide by all other and unspecified firearms	48	4.7	47	1
AE 270	Suicide by all other means and late effects of self-inflicted injury	12	1.2	9	3
AE 272	Assault by all other and unspecified firearms	8	0.8	7	1
AE 273	Assault by cutting and piercing instrument	12	1.2	9	3
AE 274	Assault by other means and late effects of injury	8	0.8	6	2
AE 276	Other legal intervention	2	0.2	2	—
AE 277	Injury undetermined whether accidentally or purposely inflicted from poisoning by drugs, medicaments and biologicals	1	0.1	—	1
AE 280	Injury by unspecified firearms	2	0.2	1	1
AE 281	Injury undetermined whether accidentally or purposely inflicted from injury by all other means and late effects of injury	8	0.8	6	2

Age group												
Under 15		15-24		25-44		45-64		65-74		75+		
M	F	M	F	M	F	M	F	M	F	M	F	
1	–	1	–	4	–	2	–	–	–	–	–	AE 235
4	5	21	3	17	6	12	4	6	4	1	3	AE 236
1	4	5	2	8	2	4	3	1	1	2	1	AE 237
–	2	3	–	1	–	–	–	–	–	–	–	AE 238
2	4	16	6	20	6	11	2	1	–	1	2	AE 239
–	–	6	–	4	1	2	1	1	–	–	2	AE 240
2	1	3	1	2	–	–	–	–	–	–	–	AE 241
–	–	1	–	–	–	–	–	–	–	–	–	AE 242
–	–	1	–	5	–	1	–	–	–	–	–	AE 243
–	–	–	–	4	–	–	–	–	–	1	–	AE 244
–	1	1	1	5	1	4	1	–	–	–	–	AE 246
–	–	–	–	–	–	3	1	–	–	–	–	AE 247
–	–	1	–	1	1	–	–	1	1	–	–	AE 248
–	–	–	–	–	1	3	1	1	1	–	–	AE 249
1	–	1	–	1	–	3	3	–	2	6	8	AE 250
–	–	–	–	–	–	–	–	–	1	3	3	AE 251
–	–	–	–	1	–	–	1	2	2	15	23	AE 252
5	1	4	–	2	2	3	1	–	2	3	–	AE 253
4	1	5	1	1	–	3	1	–	–	–	–	AE 255
4	1	1	–	2	–	3	1	1	2	2	2	AE 256
1	–	–	–	–	–	1	–	2	–	–	–	AE 258
–	–	1	–	–	–	–	–	–	–	–	–	AE 259
–	–	–	–	–	–	–	–	–	–	1	–	AE 260
–	–	–	–	1	–	2	–	–	–	–	1	AE 261
4	4	9	–	11	3	8	4	4	2	3	3	AE 262
–	–	–	–	–	–	–	1	–	1	1	–	AE 263
1	–	1	1	4	2	3	4	–	2	–	1	AE 264
–	–	–	–	–	–	–	–	–	–	1	–	AE 265
–	–	4	1	8	2	8	1	–	–	–	–	AE 266
–	–	14	–	6	3	6	–	2	–	–	–	AE 267
–	–	1	–	–	–	–	–	–	–	–	–	AE 268
–	–	13	–	20	1	9	–	4	–	1	–	AE 269
–	–	1	–	1	–	3	2	1	–	3	1	AE 270
–	–	3	–	3	–	1	1	–	–	–	–	AE 272
–	–	3	1	6	2	–	–	–	–	–	–	AE 273
–	1	–	–	–	1	3	–	2	–	1	–	AE 274
–	–	–	–	2	–	–	–	–	–	–	–	AE 276
–	–	–	–	–	–	–	1	–	–	–	–	AE 277
–	–	–	–	1	1	–	–	–	–	–	–	AE 280
–	–	2	–	1	–	2	1	–	1	1	–	AE 281

Table 23. Deaths by Age and Sex According to Intermediate List of Mortality Causes with Rates per 100,000 Population, Saskatchewan, 1984 (Concluded)

There were no deaths in 1984 from the following:

A 1	Cholera, typhoid, paratyphoid fevers
A 4	Amoebiasis
A 6	Ill-defined intestinal infections
A 8	Other tuberculosis
A 9	Brucellosis
A 10	Diptheria
A 11	Whooping cough
A 12	Streptococcal throat, scarlatina, erysipelas
A 14	Tetanus
A 17	Acute poliomyelitis
A 18	Smallpox
A 19	Measles
A 20	Rubella
A 21	Anthropod-borne encephalitis
A 24	Typhus and other rickettsioses
A 25	Malaria
A 26	Other arthropod-borne diseases
A 27	Cardiovascular syphilis
A 28	Neurosyphilis
A 29	All other syphilis
A 30	Gonococcal infections
A 31	Other venereal diseases
A 33	Helminthiases
A 34	Late effects of tuberculosis
A 37	Malignant neoplasm of lip
A 51	Malignant neoplasm intrahepatic bile ducts
A 64	Malignant neoplasm of male breast
A 70	Malignant neoplasm of testis
A 87	Malignant neoplasm of female genital organs
A 90	Malignant neoplasm of breast and genitourinary system
A 91	Malignant neoplasm of all other and unspecified sites
A 96	Disorders of pituitary and hypothalamic glands
A 97	Diseases of thymus gland
A 104	Other nutritional deficiencies
A 109	Purpura and other haemorrhagic conditions
A 112	Alcoholic psychoses
A 115	Drug dependence
A 117	Mental retardation
A 122	Infantile cerebral palsy
A 126	Diseases of ear and mastoid
A 127	Acute rheumatic fever
A 129	Disease of aortic valve
A 179	Disorder of oral cavity, salivary
A 202	Other diseases of male genital organs
A 203	Disorders of breast
A 205	Ectopic pregnancy
A 206	Spontaneous abortion
A 207	Legally induced abortion
A 208	Illegally induced abortion
A 209	Pregnancy with abortive outcome
A 210	Hemorrhage of pregnancy and childbirth
A 211	Toxemia of pregnancy
A 212	Obstructed labor
A 213	Complication of puerperium
A 215	Indirect obstetric causes
A 216	Delivery in completely normal case
AE 245	Vehicle accident elsewhere unclassified
AE 254	Lightning
AE 257	Accidents caused by handgun
AE 271	Assault by handgun
AE 275	Legal execution
AE 278	Injury undetermined whether accidentally or purposely inflicted from poisoning by other solid or liquid substances
AE 279	From injury by handgun
AE 282	Injury from operations of war

Table 24. Accidental and Violent Deaths by External Cause and Internal Cause, Saskatchewan, 1984

External cause of death	Internal cause										
	BN47	BN48	BN49	BN50	BN51	BN52	BN53	BN54	BN55	BN56	Total
All causes of death	164	–	182	54	22	16	85	6	120	7	656
BE47 Transport accidents	79	–	113	11	2	5	1	–	36	–	247
BE48 Accidental poisoning	–	–	–	–	–	–	23	–	–	–	23
BE49 Misadventures during medical care	–	–	–	–	–	–	–	6	1	–	7
BE50 Accidental falls	63	–	13	–	–	–	–	–	–	–	76
BE51 Accidents caused by fires and flames	–	–	1	–	–	6	16	–	–	–	23
BE52 Other accidents, late effects	15	–	15	1	20	4	–	–	38	7	100
BE53 Effects of drugs and medication	–	–	2	–	–	–	–	–	1	–	3
BE54 Suicide and self-inflicted injury	5	–	21	26	–	–	44	–	40	–	136
BE55 Homicide and intentional injury	1	–	13	13	–	1	–	–	–	–	28
BE56 Other violence	1	–	4	3	–	–	1	–	4	–	13

Codes for internal cause of deaths:

BN47 Fractures
BN48 Dislocations, sprains, strains
BN49 Intracranial, internal injury, nerves
BN50 Open wounds, injury to blood vessels
BN51 Effects/body entering through orifice
BN52 Burns
BN53 Poisonings and toxic agents
BN54 Complications/medical and surgical care
BN55 Other injuries
BN56 Effects of injury, poisons, toxicity

Table 25. Suicide by Province, 1979-1984

	1979		1980		1981		1982		1983		1984	
	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*	No.	Rate*
Canada	3,357	14.0	3,358	13.9	3,403	14.0	3,523	14.3	3,755	15.1	3,440	13.7
Newfoundand	25	4.4	19	3.3	24	4.2	34	6.0	36	6.2	39	6.7
Prince Edward Island	16	13.0	14	11.3	9	7.3	11	9.0	16	12.9	15	12.0
Nova Scotia	106	12.5	97	11.4	92	10.9	104	12.2	104	12.1	86	9.9
New Brunswick	84	12.0	81	11.4	77	11.1	90	12.9	100	14.2	90	12.6
Quebec	981	15.6	947	15.0	1,054	16.4	1,071	16.5	1,208	18.5	1,027	15.7
Ontario	1,105	13.0	1,121	13.1	1,075	12.5	1,111	12.7	1,139	12.9	1,101	12.3
Manitoba	151	14.6	121	11.8	144	14.0	139	13.4	165	15.8	134	12.7
Saskatchewan	142	14.8	153	15.8	171	17.7	171	17.5	148	14.9	136	13.5
Alberta	314	15.6	389	18.7	344	15.4	359	15.5	393	16.7	405	17.2
British Columbia	419	16.3	396	15.0	398	14.5	418	15.0	417	14.8	385	13.4
Yukon	6	27.8	11	51.4	5	21.6	7	29.5	8	35.9	5	22.9
Northwest Territories	8	18.4	9	20.9	10	21.9	8	17.0	21	43.4	17	34.4

** Rate per 100,000 population (Statistics Canada population estimates).*

Table 26. Suicide by Age Group and Sex, Saskatchewan, 1961-1984

		Under 15		15-24		25-44		45-64		65-74		75+	
		M	F	M	F	M	F	M	F	M	F	M	F
1961	Number	—	—	7	1	17	3	35	8	15	2	6	—
	Rate*	—	—	10.5	1.6	14.5	2.7	40.1	10.2	51.1	8.3	33.3	—
1966	Number	2	—	4	6	21	—	24	7	9	—	3	—
	Rate*	1.2	—	5.2	8.1	19.2	—	25.9	8.1	33.8	—	15.0	—
1971	Number	1	—	12	1	14	3	32	8	3	—	4	—
	Rate*	0.7	—	14.3	1.2	13.8	3.1	33.9	8.7	10.9	—	19.9	—
1976	Number	—	—	25	13	34	9	22	9	3	6	7	1
	Rate*	—	—	27.4	14.9	32.3	8.9	23.7	9.7	9.9	19.6	37.1	4.5
1981	Number	2	2	39	15	42	13	25	6	11	5	8	3
	Rate*	1.8	1.9	41.9	16.5	33.6	10.8	27.3	6.5	32.6	13.8	39.4	11.7
1984	Number	1	—	34	2	39	8	29	7	7	2	5	2
	Rate*	0.8	—	37.0	2.3	27.9	5.9	32.0	7.6	20.3	5.1	22.8	7.0

** Rate per 100,000 population (Statistics Canada population estimates).*

Infant Mortality

Infant Mortality Rate

A favourable infant mortality rate is one of the indications of good general health conditions in an area.

One of the most important of the factors influencing the infant mortality rate is the proportion of births that take place in hospital or under proper medical care. Successful public health programs, availability of hospital facilities, high quality of medical care and high standards of living are some of the conditions which have assisted in creating a downward trend in infant mortality.

The risk of death during the first year of life is higher than at any other age except at very old ages. Not until age 65 for males and age 70 for females is there a greater probability of death than that of infancy — see Saskatchewan Life Table (Table 38 in this report).

Infant Deaths by Age and Sex

Of the total infant deaths, 44.4 per cent occurred during the first day of life and 46.7 per cent before the third day. Sixty per cent occurred by the end of the first month.

In 1984 the male infant mortality rate was 10.7 per 1,000 male live births, and the female rate was 8.0 per 1,000 female live births.

Causes of Infant Deaths

In 1984 congenital anomalies caused 51 infant deaths (30.2 per cent of the total). Hypoxia, birth asphyxia, and respiratory conditions accounted for 38 infant deaths (22.5 per cent), and immaturity for 7 infant deaths (4.1 per cent). Influenza and pneumonia caused 6 infant deaths (3.6 per cent).

Neonatal Mortality (deaths under 4 weeks of age)

Of the 101 neonatal deaths in Saskatchewan in 1984, 75 occurred during the first day and 87 in the first week of life. Congenital anomalies were the leading causes of neonatal death, followed by hypoxia, asphyxia and respiratory conditions and immaturity.

Saskatchewan's 1984 neonatal mortality rate of 5.6 per 1,000 live births was slightly higher than the rate for all of Canada which was 5.2.

Perinatal Mortality

Deaths occurring before, and soon after, the natal or delivery period frequently have the same underlying causes. Perinatal deaths consist of stillbirths plus deaths under one week of age and the rate is expressed as a proportion of total births (live and stillborn). Under the definition of stillbirth adopted in 1961, in which the minimum gestational period was lowered from 28 to 20 weeks, there were 214 perinatal deaths with a rate of 11.9 per 1,000 total births in 1984, compared with a rate of 12.0 in 1983. Using the old definition of stillbirth (28+ weeks gestation) perinatal deaths would number 173 in 1984, giving a rate of 9.6 per 1,000 total births.

Table 27. Distribution of Infant Deaths by Age, Saskatchewan, 1984

Age	Number	Per cent	Rate*	Cumulative		
				Number	Per cent	Rate*
Total	169	100.0	9.4	169	100.0	9.4
1st day	75	44.4	4.2	75	44.4	4.2
2nd day	4	2.4	0.2	79	46.7	4.4
3rd day	2	1.2	0.1	81	47.9	4.5
4th day	3	1.8	0.2	84	49.7	4.7
5th day	2	1.2	0.1	86	50.9	4.8
6th day	—	—	—	—	—	—
7th day	1	0.6	0.1	87	51.5	4.8
1st week	87	51.5	4.8	87	51.5	4.8
2nd week	8	4.7	0.4	95	56.2	5.3
3rd week	5	3.0	0.3	100	59.2	5.6
4th week	1	0.6	0.1	101	59.8	5.6
1st month	101	59.8	5.6	101	59.8	5.6
2nd month	19	11.2	1.1	120	71.0	6.7
3rd month	15	8.9	0.8	135	79.9	7.5
4th month	13	7.7	0.7	148	87.6	8.2
5th month	8	4.7	0.4	156	92.3	8.7
6th month	7	4.1	0.4	163	96.4	9.0
7th month	1	0.6	0.1	164	97.0	9.1
8th month	1	0.6	0.1	165	97.6	9.2
9th month	—	—	—	—	—	—
10th month	2	1.2	0.1	167	98.8	9.3
11th month	1	0.6	0.1	168	99.4	9.3
12th month	1	0.6	0.1	169	100.0	9.4

** Rate per 1,000 live births.*

Table 28. Infant Deaths by Sex and Age at Death, with Rates per 1,000 Live Births, Saskatchewan, 1984

Age of child	Number of infant deaths		Rate*		Per cent	
	Male	Female	Male	Female	Male	Female
Total	99	70	10.7	8.0	100.0	100.0
Under 1 day	34	27	3.7	3.1	34.3	38.6
1 day - 1 week	10	15	1.1	1.7	10.1	21.4
1 week - 1 month	12	3	1.3	0.3	12.1	4.3
1 month - 6 months	41	21	4.5	2.4	41.4	30.0
6 months - 1 year	2	4	0.2	0.5	2.0	5.7

** Rate per 1,000 live births.*

Table 29. Infant Deaths by Selected Causes with Rates per 1,000 Live Births by Age at Death, Saskatchewan, 1984

Cause of death	Total under 1 year		Total under 28 days		Under 1 day		1 day		2 days		3 days		4 days	
	Number	Rate	Number	Rate	M	F	M	F	M	F	M	F	M	F
All infant deaths	169	9.4	101	5.6	34	27	6	8	2	2	1	1	1	2
Meningoccal infections (036)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
Acute respiratory infections (460-466)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
Pneumonia (480-486)	6	0.3	–	–	–	–	–	–	–	–	–	–	–	–
Congenital anomalies														
Brain, spine, nervous system (740-742)	6	0.3	5	0.3	1	4	–	–	–	–	–	–	–	–
Heart (746)	11	0.6	8	0.4	–	2	3	–	–	–	–	–	1	–
Other circulatory system (747)	3	0.2	2	0.1	–	–	–	–	–	–	–	–	–	–
Respiratory system (748)	3	0.2	2	0.1	1	1	–	–	–	–	–	–	–	–
Digestive system (749-751)	2	0.1	2	0.1	–	–	–	–	–	–	–	–	–	1
Urinary system (753)	4	0.2	4	0.2	4	–	–	–	–	–	–	–	–	–
Other and unspecified (759)	6	0.3	6	0.3	2	2	–	1	–	–	–	–	–	–
Certain causes of perinatal mortality														
Condition of placenta, cord, membrane (762)	5	0.3	5	0.3	2	3	–	–	–	–	–	–	–	–
Immaturity (765)	7	0.4	7	0.4	5	1	1	–	–	–	–	–	–	–
Other complications (779)	2	0.1	2	0.1	2	–	–	–	–	–	–	–	–	–
Symptoms, ill-defined conditions (780-799)	20	1.1	–	–	–	–	–	–	–	–	–	–	–	–
Inhalation and ingestion (E911-E912)	3	0.2	–	–	–	–	–	–	–	–	–	–	–	–
Mechanical suffocation (E913)	2	0.1	–	–	–	–	–	–	–	–	–	–	–	–
All other causes	85	4.7	58	3.2	17	14	2	7	2	2	1	1	–	1

5 days		6 days		7-13 days		14-20 days		21-27 days		28 days under 2 mths		2 months		3 months		4 months		5 months		6-8 months		9-11 months	
M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F	M	F
–	2	–	–	7	2	4	1	1	–	11	8	11	4	9	4	5	3	5	2	–	2	2	2
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	1	–	–	–	–
–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–	1	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	2	–	1	–	–	–	1	–	1	–	–	–	1	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–
–	–	–	–	1	–	1	–	–	–	1	–	–	–	1	–	–	–	–	–	–	–	–	–
–	–	–	–	2	–	–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	1
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	–	–	–	–
–	–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	1	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
–	–	–	–	–	–	–	–	–	–	1	1	5	2	4	3	2	1	–	1	–	–	–	–
–	–	–	–	–	–	–	–	–	–	1	–	–	–	1	–	–	–	–	–	–	1	–	–
–	–	–	–	–	–	–	–	–	–	–	1	–	–	–	1	–	–	–	–	–	–	–	–
–	2	–	–	3	1	3	1	1	–	5	5	5	2	3	–	–	2	2	–	–	1	1	1

Table 30. Infant Deaths from Specific Causes by Sex with Rates per 1,000 Live Births, Saskatchewan, 1984

Cause of death	Total	Sex	
		Male	Female
	Number		
All infant deaths	169	99	70
Infectious diseases (001-003,101-139)	2	1	1
Gastrointestinal(04,06-09,535,555-558)	3	1	2
Influenza, pneumonia (480-487)	6	6	–
Congenital anomalies (740-759)	51	27	24
Certain causes of perinatal mortality			
Birth trauma, injury (763,767)	3	–	3
Hypoxia, asphyxia, respiratory (768-770)	38	23	15
Immaturity (765)	7	6	1
Other causes (remainder 760-779)	14	8	6
Other and ill-defined causes	45	27	18
	Rate per 1,000 live births		
All infant deaths	9.4	10.7	8.0
Infectious diseases (001-003,101-139)	0.1	0.1	0.1
Gastrointestinal(04,06-09,535,555-558)	0.2	0.1	0.2
Influenza, pneumonia (480-487)	0.3	0.7	–
Congenital anomalies (740-759)	2.8	2.9	2.7
Certain causes of perinatal mortality			
Birth trauma, injury (763,767)	0.2	–	0.3
Hypoxia, asphyxia, respiratory (768-770)	2.1	2.5	1.7
Immaturity (765)	0.4	0.7	0.1
Other causes (remainder 760-779)	0.8	0.9	0.7
Other and ill-defined causes	2.5	2.9	2.0

Table 31. Infant Deaths from Specific Causes by Age at Death with Rates per 1,000 Live Births, Saskatchewan, 1984

Cause of death	Total	0-6 days	7-27 days	28 days to 12 months
	Number			
All infant deaths	169	86	15	68
Infectious diseases (001-003,101-139)	2	—	—	2
Gastrointestinal(04,06-09,535,555-558)	3	—	—	3
Influenza, pneumonia (480-487)	6	—	—	6
Congenital anomalies (740-759)	51	35	6	10
Certain causes of perinatal mortality				
Birth trauma, injury (763,767)	3	3	—	—
Hypoxia, asphyxia, respiratory (768-770)	38	28	6	4
Immaturity (765)	7	7	—	—
Other causes (remainder 760-779)	14	11	2	1
Other and ill-defined causes	45	2	1	42
	Rate per 1,000 live births			
All infant deaths	9.4	4.8	0.8	3.8
Infectious diseases (001-003,101-139)	0.1	—	—	0.1
Gastrointestinal(04,06-09,535,555-558)	0.2	—	—	0.2
Influenza, pneumonia (480-487)	0.3	—	—	0.3
Congenital anomalies (740-759)	2.8	1.9	0.3	0.6
Certain causes of perinatal mortality				
Birth trauma, injury (763,767)	0.2	0.2	—	—
Hypoxia, asphyxia, respiratory (768-770)	2.1	1.6	0.3	0.2
Immaturity (765)	0.4	0.4	—	—
Other causes (remainder 760-779)	0.8	0.6	0.1	0.1
Other and ill-defined causes	2.5	0.1	0.1	2.3

Marriages and Divorces

Rate of Marriages

There were 7,213 marriages in Saskatchewan in 1984 giving a marriage rate per 1,000 population of 7.2. For Canada as a whole, the rate remained the same, 7.4 per 1,000 population in 1983 and 1984.

July was the most favoured month for marriages in 1984 followed by June and August. The smallest number of marriages occurred in January.

The following table shows the distribution of marriage registrations by month.

Month	*Number*
January	148
February	219
March	259
April	463
May	597
June	1,064
July	1,108
August	1,048
September	659
October	655
November	446
December	547

Previous Marital Status and Age at Marriage

In 1984 in Saskatchewan, 74.8 per cent of all marriages were between persons who had not been previously married.

Of brides, 15.4 per cent were age 19 or less, whereas 3.5 per cent of bridegrooms fell into this category. Nearly 45.8 per cent of all bridegrooms and 63.8 per cent of all brides were 24 years or less. The average age of grooms was 28.0 and brides 25.3.

The following table gives a comparison of the average age of bridegrooms and brides for the years 1974-1984.

Average Age at Time of Marriage in Years

	Bridegroom	*Bride*
1974	25.4	22.9
1975	25.6	23.1
1976	25.8	23.2
1977	26.7	23.9
1978	26.3	23.6
1979	26.4	23.8
1980	26.7	24.0
1981	27.1	24.4
1982	27.1	24.4
1983	27.6	24.9
1984	28.0	25.3

Birth Place and Religious Denomination

The number of Saskatchewan born brides was 5,728 or 79.4 per cent of total brides while Saskatchewan born grooms numbered 5,336 or 74.0 per cent; 93.3 per cent of all grooms and 94.5 per cent of all brides were born in Canada.

Both parties were of the same religious denomination in 44.2 per cent of all marriages recorded in Saskatchewan in 1984.

Divorces and Annulments

There were 1,988 divorces and annulments in Saskatchewan in 1984, a decrease of 12 from the previous year. The rate of divorces and annulments per 100,000 population in 1984 was 198 compared to 202 for 1983.

The ratio of divorces and annulments to marriages was 1:4 in 1983 and 1:4 in 1984.

Table 32. Divorces and Annulments, Ratio to Marriages, and Rate per 100,000 Population, Saskatchewan, 1978-1984

Item	1978	1979	1980	1981	1982	1983	1984
Number of divorces and annulments	1,428†	1,528†	1,836	1,932	1,815	2,000	1,988
Number of marriages	7,135	7,261	7,561	7,325	7,491	7,504	7,213
Ratio of divorces and annulments to marriages	1:5	1:5	1:4	1:4	1:4	1:4	1:4
Rate of divorces and annulments per 100,000 population	151†	159†	189	199	185	202	198

† Revised figure.

Source: Divorce figures from Statistics Canada publication "Vital Statistics. Volume II Marriages and Divorces", 84-205.

Table 33. Marriages by Previous Marital Status of Bridegroom and Bride, Saskatchewan, 1984

Status of bridegroom	Total	Status of bride		
		Single	Widow	Divorced
Total	7,213	5,971	237	1,005
Single	5,942	5,397	68	477
Widower	192	29	111	52
Divorced	1,079	545	58	476

Table 34. Bridegrooms and Brides by Age and Previous Marital Status, Saskatchewan, 1984

Age group	Bridegrooms				Brides			
	Total	Single	Widower	Divorced	Total	Single	Widow	Divorced
	Number							
Total	7,213	5,942	192	1,079	7,213	5,971	237	1,005
Under 20	251	251	—	—	1,114	1,113	—	1
20-24	3,050	3,027	1	22	3,487	3,394	3	90
25-29	2,055	1,821	1	233	1,410	1,101	18	291
30-34	804	538	7	259	518	244	15	259
35-39	386	145	12	229	248	78	12	158
40-44	191	61	9	121	124	22	17	85
45-49	145	33	13	99	84	7	25	52
50-54	96	21	22	53	70	5	29	36
55-59	72	14	22	36	43	2	22	19
60-64	61	12	34	15	47	2	36	9
65-69	47	11	30	6	40	2	33	5
70-74	27	6	17	4	21	1	20	—
75+	28	2	24	2	7	—	7	—
Average age	28.0	25.3	59.3	36.9	25.3	22.8	53.1	33.7
Median age	25.0	24.0	61.0	35.0	23.0	22.0	54.0	32.0

Average and median ages were calculated using single year age groups.

Table 35. Marriages by Religious Denomination of Bridegroom and Bride, Saskatchewan, 1984

Denomination	Number			Per cent		
	Both parties*	Bridegroom	Bride	Both parties*	Bridegroom	Bride
Total	3,186	7,213	7,213	44.2	100.0	100.0
Baptists	51	128	122	0.7	1.8	1.7
Lutherans	155	609	610	2.1	8.4	8.5
Mennonites	102	168	194	1.4	2.3	2.7
Presbyterians	14	103	79	0.2	1.4	1.1
Roman Catholics	1,080	2,168	2,281	15.0	30.1	31.6
United Church	799	1,773	1,801	11.1	24.6	25.0
All other religions	672	1,353	1,334	9.3	18.8	18.5
No religion	155	358	251	2.1	5.0	3.5
Unspecified or unknown	158	553	541	2.2	7.7	7.5

* *These figures and percentages represent marriages in which both the bridegroom and bride were of the same religious denomination. The difference between this figure and the total number of marriages represents the proportion in which bridegroom and bride were of different religious denominations. Includes Eastern Orthodox Churches and Doukhobors.*

Table 36. Marriages by Birthplace of Bridegroom and Bride, Saskatchewan, 1984

Birthplace of bridegroom	Birthplace of bride												
	Total	Sask.	Alta.	B.C.	Man.	Ont.	Other prov.	U.S.	Asia	Europe	Africa	Other	Not stated
Total	7,213	5,728	271	164	282	241	128	79	132	134	16	36	2
Saskatchewan	5,336	4,456	180	113	201	147	77	45	20	73	7	15	2
Alberta	328	255	29	14	12	9	2	2	—	3	—	2	—
British Columbia	148	115	7	6	6	4	2	3	—	3	1	1	—
Manitoba	374	288	16	7	31	8	6	6	1	10	—	1	—
Ontario	362	255	21	10	11	40	7	4	1	13	—	—	—
Other provinces	182	117	7	6	7	14	19	4	—	5	2	1	—
United States	102	74	3	2	5	6	3	6	1	2	—	—	—
Asia	141	18	3	2	3	1	1	4	102	4	1	2	—
Europe	184	122	5	3	6	9	10	4	5	18	—	2	—
Africa	15	6	—	—	—	1	—	1	1	—	4	2	—
Other	40	21	—	1	—	2	1	—	1	3	1	10	—
Not stated	1	1	—	—	—	—	—	—	—	—	—	—	—

Life Expectancy

A life expectancy table is, in effect, the history of mortality of 100,000 male babies and of 100,000 female babies born at the same time. Life expectancy figures provide a graphic picture of the extent to which the saving of lives has gradually prolonged the average expectation of life, and are fairly good mirrors reflecting the general health and survival conditions at the time of their compiling.

According to the Saskatchewan life table compiled on the basis of the 1981 census, the life expectancy at birth reached an all time peak for females, 79.61 years, and for males, 72.43 years. The gain in life expectancy is greater in females. A sharp rise in the probability of death begins at age 56 for males and at 65 for females, the decrease in expectancy being faster for males than females.

Table 37. Life Expectancy, Saskatchewan, 1941, 1961, 1981

Age	Life expectancy			Gain or loss in life expectancy	
	1941	1961	1981	1961 over 1941	1981 over 1961
	Males				
At birth	65.43	70.27	72.43	4.84	2.16
20	51.28	53.49	54.35	2.21	0.86
40	33.32	34.99	35.92	1.67	0.93
60	16.82	18.10	19.09	1.28	0.99
80	5.76	6.31	7.16	0.55	0.85
	Females				
At birth	68.19	75.93	79.61	7.74	3.68
20	53.08	58.35	60.85	5.27	2.50
40	34.96	39.09	41.64	4.13	2.55
60	18.26	21.09	23.65	2.83	2.56
80	6.38	7.29	8.94	0.91	1.65

Note: Source of figures for 1941: Life Tables for Canada and Regions, 1941 and 1931, D.B.S. Ottawa 1947. These figures have been calculated for the prairie provinces. The figures for 1961 have been calculated for Saskatchewan by the Department of Health. The figures for 1981 are taken from the Statistics Canada publication, Life Tables, Canada and Provinces, 1980-1982.

Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Males

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100,000	1,320	.01320	72.43
1 year	98,680	108	.00190	72.40
2 years	98,572	79	.00080	71.48
3 years	98,493	64	.00065	70.53
4 years	98,429	57	.00058	69.58
5 years	98,372	44	.00045	68.62
10 years	98,245	21	.00021	63.71
15 years	98,002	126	.00130	58.86
20 years	97,150	199	.00204	54.35
25 years	96,193	168	.00176	49.87
30 years	95,430	135	.00141	45.24
35 years	94,743	157	.00165	40.55
40 years	93,837	222	.00236	35.92
45 years	92,494	365	.00394	31.40
50 years	90,330	517	.00572	27.09
55 years	87,300	792	.00908	22.94
60 years	82,629	1,127	.01364	19.09
65 years	76,126	1,618	.02126	15.49
70 years	66,756	2,262	.03389	12.30
75 years	54,226	2,827	.05214	9.54
80 years	39,472	3,023	.07657	7.16
85 years	24,386	2,926	.12000	5.04

Table 38. Life Table for Saskatchewan in Shortened Form, 1981 — Females (Continued)

Age	Number of survivors l_x	Number of deaths d_x	Probability of death before reaching next birthday q_x	Life expectancy e_x^o
At birth	100,000	914	.00914	79.61
1 year	99,086	86	.00087	79.34
2 years	99,000	45	.00046	78.41
3 years	98,955	34	.00034	77.45
4 years	98,921	30	.00030	76.47
5 years	98,891	25	.00026	75.50
10 years	98,788	18	.00019	70.57
15 years	98,657	48	.00049	65.66
20 years	98,371	55	.00056	60.85
25 years	98,107	58	.00060	56.00
30 years	97,779	73	.00075	51.18
35 years	97,369	101	.00103	46.39
40 years	96,809	122	.00126	41.64
45 years	96,096	199	.00207	36.93
50 years	94,897	285	.00300	32.36
55 years	93,208	458	.00492	27.90
60 years	90,508	633	.00698	23.65
65 years	86,918	890	.01024	19.52
70 years	81,591	1,368	.01677	15.62
75 years	73,395	2,085	.02840	12.07
80 years	61,250	2,930	.04784	8.94
85 years	44,776	3,785	.08452	6.26